BIOBASE®

Lab & Medical Equipment

BIOBASE®

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BIOBASE CHINA

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About Us

BIOBASE group, the professional manufacturer for Laboratory and Medical equipment.

During long term friendly bilateral cooperation relationship with customers, BIOBASE is always being trusted. The customers purchase BIOBASE made goods, at the mean time, more and more customers are willing to buy a variety of goods from BIOBASE.

In order to satisfy customers demand and ensure customers' benefit, BIOBASE made field trip to many suppliers in China, controlled the product quality strictly in stead of customers, as well as strived from the suppliers to get competitive pricing. Recently, BIOBASE has confirmed many OEM partners and will keep searching for more suppliers upon customers' request.

BIOBASE provide one-stop procurement solution which can not only reduce the resoucing cost, but also can ensure good quality and sufficient after-sale service.

In addition, any abroad strong manufacturer is welcomed to contact us, we can work together to open China market through BIOBASE China.

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Balance

BA-C Automatic Electronic Analytical Balance (Internal Calibration)

Features:

* Humanized design, novel design and five-side full-transparent windshield.
* A new-generation electromagnetic balance weight sensor guarantees the high precision.
* Application programs such as automatic fault detection, four-point linear calibration and over-load protection.
* The adoption of ultra-large digital integrated printed circuit board guarantees high product precision.
* The adoption of twin-cam mechanism realizes advantageous function of automatic internal calibration which makes product faster and more stable.
* Application programs such as “Warming”, “Calibration”, and “Screen Saver”.
* Ultra-large LCD display brings clearer and more comfortable visual sense to operator.

Functions:

* Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
* Built-in automatic calibration guarantees easier, faster, stable and accurate operation of balance.
* Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.
* Built-in lower weighing hook guarantees convenient use.

Power Supply: AC110/220V±10%, 50/60Hz; Power Cord, no battery.

Technical Parameters:

Model	Capacity	Readability	Scale Size	N.W.	External Size	Package Size	Work Space Height	Calibration
BA604C	0~60g	0.1mg	Φ90mm	6.8kg	350*215*340mm	480*375*515mm	240mm	Internal Cal
BA1004C	0~100g							
BA1204C	0~120g							
BA1604C	0~160g							
BA2004C	0~200g							
BA2204C	0~220g							
BA1003C	0~100g	1mg						
BA2003C	0~200g							
BA3003C	0~300g							

Standard Accessory:

Balance body, adapter, windshield, cleaning cloth, tweezers and brush.

BA-N Automatic Electronic Analytical Balance (Internal Calibration) (Economic Series)

Features:

* Humanized design,novel design and four-side transparent windshield.
* High precision magnet sensor keeps the weighing more fast and stable.
* Ultra-large backlight LCD display brings clearer and more comfortable visual sense to operate。

Functions:

* Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion(g,oz,ct...), full-scale faring,zero-memory etc.
* Built-in RS232 output interface guarantees direct connection to external equipment such as computer and printer.
* Built-in automatic calibration guarantees easier, faster, stable and accurate

Power Supply: AC110/220V±10%, 50/60Hz; Power Cord, no battery.

Technical Parameters:

Model	Capacity	Readability	Scale Size	G.W.	External Size	Package Size	Work Space Height	Calibration
BA1004N	100g	0.1mg	Φ80mm	10kg	415*285*430mm	480*375*515	230mm	Internal Cal
BA1104N	110g							
BA1204N	120g							
BA2004N	200g							
BA2104N	210g							
BA2204N	220g							

Standard Accessory

Balance body, adapter, weight, windshield.

BA-B Series Electronic Analytical Balance (External Calibration)

Features:

* Humanized design, novel design and five-side full-transparent windshield.
* A new-generation electromagnetic balance weighing sensor guarantees high precision.
* Application programs such as automatic fault detection, four-point linear calibration and over-load protection.
* Ultra-large LCD display brings clearer and more comfortable visual sense to operate.

Functions:

* Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
* Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.
* Built-in lower weighing hook guarantees convenient use.

Power Supply: AC110/220V±10%, 50/60Hz; Power Cord, no battery.

Technical Parameters:

Model	Capacity	Readability	Scale Size	N.W.	External Size	Package Size	Work Space Height	Calibration
BA504B	0~50g	0.1mg	Φ80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BA604B	0~60g							
BA1004B	0~100g							
BA1104B	0~110g							
BA1204B	0~120g							
BA1604B	0~160g							
BA2004B	0~200g							
BA2204B	0~220g							
BA2104B	0~210g							
BA2104S	0~60g 60~210g	0.1mg / 1mg						

Standard Accessory:

Balance body, adapter, weight, windshield, cleaning cloth, tweezers and brush.

BP-B/P Series Electronic Precision Balance

Features:

* Humanized design, novel design and five-side full-transparent windshield.
* A new-generation electromagnetic balance weighing sensor guarantee high precision.
* Application programs such as automatic fault detection, four-point linear calibration and over-load protection.
* Ultra-large LCD display brings clearer and more comfortable visual sense to operate.
* Built-in lower weighing hook guarantees convenient use.

Functions:

* Multiple functions guarantee easy and reliable operation, including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
* Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.
* Built-in lower weighing hook guarantees convenient use.

Power Supply: AC110/220V±10%, 50/60Hz; Power Cord, no battery.

Technical Parameters:

Model	Capacity	Readability	Scale Size	N.W.	External Size	Package Size	Work Space Height	Calibration
BP1003B	0~100g	1mg	Φ80mm	6.8kg	350*215*340mm	480*375*515mm	240mm	External Cal
BP1203B	0~120g							
BP2003B	0~200g							
BP3003B	0~300g							
BP4103B	0~410g		Φ110mm					
BP5003B	0~500g							
BP10003	0~1000g			6kg				
BP1003P	0~100g		Φ80mm	6.8kg				
BP2003P	0~200g							

Standard Accessory:

Balance body, adapter, weight, windshield, cleaning cloth, tweezers and brush.

BP Series Electronic Precision Balance

Functions:

* Multiple functions including auto-counting, unit conversion (metric carat, gold ounce, etc.), stability, full-scale faring, zero-memory, etc.
* Built-in RS232C output interface for computer and printer.

Power Supply: AC220V±10%, 50/60Hz; 110V±10%, 50/60Hz, Power Cord, no battery.

Technical Parameters:

Model	Capacity	Readability	Scale Size	N.W.	External Size	Package Size
BP12002	0~1200g	10mg	Φ160mm	6kg	350*215*115mm	480*375*515
BP21002	0~2100g					
BP31002	0~3100g					
BP50002	0~5000g					
BP21001	0~2100g	100mg				
BP31001	0~3100g					
BP41001	0~4100g					
BP51001	0~5100g					
BP61001	0~6100g					

Standard Accessory:

Balance body, adapter, cleaning cloth.

BE Series Electronic Balance

Features:

* AC/DC exchangeable, balance level, LCD display, rapid weighing response and high stability.
* Sensor adopts unique locking device, which guarantees protection of balance during transportation.

Scale Size: Φ125mm

Scale Size: 130*130mm

Scale Size: 160*160mm

Scale Size: 255*190mm

Functions:

* System operations: including auto-counting, percentage, automatic calibration, multi-point calibration, standard weights (optional)
* Multiple functions guarantee easy and reliable operation, including unit conversion (metric carat, gold ounce, etc.), stability, memory, full-scale faring.
* Built-in RS232C output interface guarantees direct connection to external equipment such as computer and printer.

Power Supply: AC110/220V±10%, 50/60Hz; Capacity ＜10kg: Power cord, dry battery reservation position (5#*6pcs), no battery; Capacity ≥10kg: Power cord, accumulator.

Technical Parameters:

Model	Capacity	Readability	Scale Size	N.W.	External Size	Package Size
BE1002	0~100g	10mg	Φ125mm	1kg	250*180*60mm	365*265*170mm
BE2002	0~200g					
BE3002	0~300g					
BE4002	0~400g					
BE5002	0~500g					
BE6002	0~600g					
BE10002	0~1000g		130*130mm			
BE20002	0~2000g					
BE30002	0~3000g		160*160mm			
BE50002	0~5000g					
BE2001	0~200g	100mg	Φ125mm			
BE4001	0~400g					
BE5001	0~500g					
BE6001	0~600g					
BE8001	0~800g					
BE10001	0~1000g		130*130mm			
BE16001	0~1600g					
BE20001	0~2000g					
BE30001	0~3000g		160*160mm	1.3kg		
BE40001	0~4000g					
BE50001	0~5000g					
BE60001	0~6000g					
BE80001	0~8000g					
BE100001	0~10000g		255*190mm	3.2kg	300*120*160mm	356*310*165mm
BE150001	0~15000g					
BE200001	0~20000g					
BE300001	0~30000g					
BE1000	0~1000g	1g	130*130mm	1kg	250*180*60mm	365*265*170mm
BE2000	0~2000g					
BE3000	0~3000g		160*160mm	1.3kg		
BE6000	0~6000g					
BE10000	0~10000g		255*190mm	3.2kg	300*120*160mm	356*310*165mm
BE15000	0~15000g					
BE20000	0~20000g					
BE30000	0~30000g					

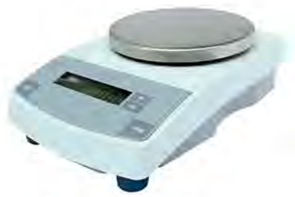
BE-G/N Classic Electronic Balance (Economic Series)

Scale Size: Φ130mm
BE1002G / BE2002G / BE3002G /
BE6002G / BE10002G

Scale Size: Φ160mm
BE20002G / BE30002G /
BE40002G / BE50002G

Scale Size: Φ200*200mm
BE60001GF/BE100001GF/
BE150001GF / BE6000GF /
BE10000GF / BE15000GF

Scale Size: Φ130mm
BE1002N / BE2002N / BE3002N /
BE5002N / BE6002N / BE10002N /
BE3001N / BE6001N / BE10001N



Scale Size: Φ160mm
BE20001NF / BE30001NF /
BE50001NF

Features:

* AC/DC exchangeable, LCD display, rapid weighing response and high stability.
* Precision scales calibrated sensor window can effectively make the calibration more accurate(only for BE-G/GF series).
* External Material:
  BE-G/GF series, stainless steel scale, plastic case and aluminum base thick of 3.8mm,
  BE-N/NF series, stainless steel scale, plastic case and ABS base
* Superior wireless sensors realize no-button operation of peeled, calibration, avoiding button corrosion by the sample residues.

Optional Functions:

Anti-theft device&Sealing device (Only for BE-G/GF series)
Weighing function under the hanging structure, or test weight for weighing magnetic object density, specific gravity, etc.

Power Supply

AC220V±10%, 50/60HZ; 110V±10%, 50/60HZ
Power cord, dry battery reservation position (AA*6pcs), no battery, no accumulator.

Standard Weight:

Model \ Readability	1mg	10mg	100mg	1g
200g＞Capacity≥100g	100g weight	100g weight	No weight	No weight
500g＞Capacity≥200g	200g weight	200g weight	No weight	No weight
Capacity≥500g	500g weight	500g weight	No weight	No weight

Technical Parameters:

Model	Capacity	Readability	Scale Size	G.W.	External Size	Package Size	Interface
BE1002G	100g	10mg	Φ130mm	3.8kg	350*210*90mm	350*290*160mm	RS232 (Standard) RS485 (Optional) USB (Optional)
BE2002G	200g						
BE3002G	300g						
BE6002G	600g			4.2kg			
BE10002G	1000g						
BE20002G	2000g		Φ160mm				
BE30002G	3000g						
BE40002G	4000g						
BE50002G	5000g						
BE60001GF	6000g	100mg	200*200mm	4.5kg			
BE100001GF	10000g						
BE150001GF	15000g						
BE6000GF	6000g	1g					
BE10000GF	10000g						
BE15000GF	15000g						
BE1002N	100g	10mg	Φ130mm	2kg	300*190*100mm		RS232 (Optional)
BE2002N	200g						
BE3002N	300g						
BE5002N	500g			2.4kg			
BE6002N	600g						
BE10002N	1000g						
BE3001N	300g	100mg		1.9kg			
BE6001N	600g						
BE10001N	1000g						
BE20001NF	2000g		Φ160mm	2kg			
BE30001NF	3000g						
BE50001NF	5000g						

BM-50 Series Rapid Moisture Meter

Features:

* LCD Display
* RS232 communication interface
* Convenient and quick operating with 6 buttons.
* Heating element, Halogen lamps, proper for samples requires quick heating.
* Adopting heating-insulated weighing sensor avoids accuracy affected by heating.

Technical Parameters:

Model	BM-50-10	BM-50-5	BM-50-1
Capacity	50g		
Weight Readability	0.01g	0.005g	0.001g
Moisture Readability	0.3%	0.2%	0.1%
Scale Size	Φ90mm		
Temperature Capacity	50~180℃	50~180℃	50~180℃
Ambient Temperature	10~30℃	10~30℃	10~30℃
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 50/60Hz; Power cord, no battery		
Package Size	370*470*350		
Gross Weight	4kg		

Electronic Density (Specific Gravity) Balance

Liquid

Solid

Technical Parameters:

Model	BA-100D	BA-200D
Max Capacity	100g	200g
Min Capacity	10mg	
Fixed Support	H=203mm	
Scale Size	Φ110mm	
Output	RS-232C	
Power Supply	AC110/220V±10%, 50/60Hz; Power cord, no battery	
Net Weight	1kg	
External Size	250*180*246mm	
Package Size	335*255*252mm	
Accessories	Measuring platform, measuring cup, fixed support, thermometer, doublehook weights, platinum wire, plumb bob, wire basket, balance body, adaptor and standard weights	

Microscope

Microcirculation Microscope

Application:

Microcirculation microscope is used the early diagnosis, guide treatment and observation for varies diseases including cardiovascular, diabetes, hypertension, stroke, rheumatoid arthritis, etc.It is widely used in medicine, health care products, human health consulting, beauty care and other fields. It is also used for individual microcirculation monitoring

WXH-8

WXH-10/12

Technical Parameters:

Model	WXH-8	WXH-10	WXH-12
Magnification	400X	480X	550X
Display Size(mm)	161*121	204*153	185*240
Objective	10X		
Focus System	Coaxial coarse/ Slightly adjusted, Z axis movement, Mechanical upper and lower limits		
Stage	360°revolve, X,Y axis movement ,moving range 30*80mm		
Illumination	LED illumination with high brightness and lower consumption, new luminaire with lower temperature and 10,000-200,000h working life, 90°revolve left and right		
Power Supply	12V		
Camera	Color camera system, HD LCD display		
Standard Accessory	Aluminum box,Display screen, Power cable, Asphalt, Manual, Flip chart, Microcirculation flattery, Teaching CD		
Optional	Software driven, Acquisition card, Dongle, AV cable etc.		
Package Size(mm)	270*340*380	300*380*380	
Gross Weight(kg)	5.5	7	

LCD Digital Biological Microscope

Features:

* 9.7" Touch screen LCD display
* Support WiFi and Bluetooth, HDMI video output and SD card expansion
* The integration of structure design, to save space
* Valid mouldproof design, it can be used under the high temperature and high humidity environment

Technical Parameters:

Model		DM-125
Optical System	Finite optical system	√
Eyepiece	WF10X/18	√
Viewing Head	Monocular head inclined at 30°	•
	Seidentopf binocular viewing head inclined at 30°,Interpupillary 48-78mm	√
	Seidentopf trinocular viewing head inclined at 30°, Interpupillary 48-78mm	•
	Digital viewing head inclined at 30°, interpupillary 48~78mm, 5M pixels, support Wifi	•
	Digital viewing head inclined at 30°, interpupillary 48~78mm, 5M pixels, 9.7" LCD, android OS	•
Achromatic Objective	4X N.A=0.1 WD=17	√
	10X N.A=0.25 WD=7	√
	40X N.A=0.65 WD=0.53	√
	100X N.A=1.25 WD=0.13	√
Nosepiece	Backward quadruple nosepiece	√
Stage	Double layers mechanical stage 140x140mm, moving range 75X50mm	√
Condenser	NA 1.25 abbe condenser	√
	Dark field condenser (dry, oil)	•
Focusing System	Coaxial coarse and fine adjustment, fine division 0.002mm, Moving division 25mm	√
Illumination	S-LED illumination	•
	S-LED illumination with recharger	√
	Kohler illumination	•
	ECO function	•
	Plane-cancave mirror	•
Power Supply	AC110/220V±10%, 50/60Hz	√
Accessories	Polarization Set	•
	Phase Contrast Kit	•
Package Size	370*260*465mm	√
Gross Weight	8.5kg	√

Note: √ Standard Outfit, • Optional, \ Without this feature Trinocular microscope can be installed camera and screen.

Build-in Camera Biological Microscope

BMB-117M

BMB-300M

Technical Parameters:

Model			BMB-117M	BMB-300M
Viewing Head	Compensation Free Binocular Head, Inclined at 30°, Interpupilary Distance 48-75mm		√	√
	Camera System	Valid Pixel 1280*1024(1.3M Pixel)	√	•
		Valid Pixel 2048*1036(3.0M Pixel)	\	√
		Valid Pixel 2052*1944(5.0M Pixel)	\	
		Output Mode USB2.0	√	√
		Operation System WINDOWS7/8 2000 / XP/ VISTA	√	√
		Software ScopeImage 9.0	√	√
		Range of Viewing Field 90%	√	√
Eyepiece	WF10×/18		√	√
	P16×/11		•	\
	Extra wide filed eyepiece EW10×/20 with diopter adjustment		\	•
Objective	Achromatic Objective 4×, 10×, 40×, 100×		√	\
	Infinite plan Achromatic Objective 4×, 10×, 40×, 100×		\	√
Nosepiece	Backward Quadruple Nosepiece		√	\
	Quintuple Nosepiece		\	•
	Quadruple Nosepiece		\	√
Stage	Double Layers Mechanical Stage 132*142mm, Moving range 75*40mm		√	\
	Double Layers Mechanical Stage 140*140mm Moving range 75*40mm		\	√
Condenser	Abbe NA1.20 with Iris Diaphragm & Fliter		√	\
	Abbe NA1.25 sliding-in centerable condenser		\	√
Focusing	Coaxial Coarse & Fine Adjustment System, Range 24mm, Fine Division 0.004mm		√	\
	Coaxial Coarse & Fine Adjustment System, Range 20mm		\	√
Illumination	LED 3W, Brightness Adjustable		√	\
	Halogen Lamp 6V/20W, Brightness Adjustable		•	\
	220V or 110V/6V/20W Halogen Lamp, Brightness Adjustable.		\	√
Power Supply	AC 110/220V±10%, 50/60Hz		√	√
Accessories	Phase Contrast Kit		•	•
	Dark-Field Attachment		•	•
	Polarization Attachment		•	\
Package Size	396*262*492(BMB-117M), 334X334X533(BMB-300M)		√	√
Gross Weight	7.5kg (BMB-117M), 12.5kg (BMB-300M)		√	√

Note: √ Standard Outfit, • Optional, \ Without this feature

Fluorescence Biological Microscope

Technical Parameters:

	Specification
Viewing Head	Binocular head (XY-1), Trinocular head (XY-2)
Fluorescent Straight Illumination	B(Blue), G(Green) exciting light filter system O ordinary light system 100W HBO super high-pressured spherical mercury lamp
Protection Screen	Screen to resist the UV
Power	AC input 220V
Connecting Wire	With 2 connectors
Fluorescent Free Objective	10X, 20X, 40X(S), 100X(S, Oil)
Immersion Oil	Fluorescent free oil
Power Supply	AC110/220V±10%, 50/60Hz
Package Size	440*340*220mm; 460*350*250mm
Gross Weight	17kg

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece, Ultraviolet, Violet exciting light filter system and ordinary light system. Auxiliary exciting filter EX450-490.

Polarizing Biological Microscope

Technical Parameters:

Model		BMP-107B	BMP-107T
Viewing Head	Sliding binocular head at 45°, 360° rotatable	√	\
	Sliding trinocular head at 45°, 360° rotatable	\	√
Eyepiece	Eyepiece WF10×/18 with scale of crosshair	√	√
	Eyepiece WF10×/18	√	√
Objective	Strain free achromatic objective 4×, 10×, 40×	√	√
Nosepiece	Toward quadruple nosepiece, center adjustable	√	√
Analyzer	Rotatable analyzer with gradation 0°~90°	√	√
Bertrand Lens	Bertrand lens, sliding in/ out of optical path	√	√
Optical Compensator	λ slip(first class red)	√	√
	1/ 4λ slip	√	√
	Quartz wedge	√	√
Revolving Round Stage	Diameter Φ160mm, graduated in1° increments, Minimum resolution 6' when using vernier scale	√	√
Condenser	Abbe condenser with Iris diaphragm & filter	√	√
Focusing	Coaxial coarse & fine adjustment, range 28mm, fine division 0.002mm	√	√
Polarizer	Sliding in/out of optical path, located on the top of collector	√	√
Illumination	6V/ 20W halogen lamp, brightness adjustable	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√
Package Size	327*273*425mm	√	√
Gross Weight	7.5kg	√	√

Note: √ Standard Outfit, ● Optional, \ without this feature Trinocular microscope can be installed camera and screen.

Inverted Biological Microscope

Technical Parameters:

Model	BMI-100		
Optical System	Infinite optical system		√
Viewing Head	Trinocular head inclined at 30°, interpupillary distance 48~75mm		√
Eyepiece	High-point, extra wide field eyepiece EW10×/ 22		√
Objective	LWD infinite plan objective	4×/ 0.1, WD 17.3mm;	√
		10×/ 0.25, WD 10mm;	•
		20×/ 0.4, WD 5.1mm;	•
		40×/ 0.6, WD 2.1mm	√
	Infinite plan phase objective	PH10×/ 0.25, WD 10mm;	√
		PH20×/ 0.4, WD 5.1mm;	√
		PH40×/ 0.65, WD 2.1mm	•
Nosepiece	Quintuple nosepiece		√
Condenser	ELWD condenser NA 0.3, LWD 72mm (without condenser 150mm)		√
Centering	Centering telescope (Φ30MM)		•
Phase Annulus	10×-20×, 40× phase annulus plate (fixed)		√
	10×-20×, 40× phase annulus plate (adjustable)		•
Stage	Plain stage 160×250mm		√
	Glass insert		√
	Attachable mechanical stage, X-Y coaxial control, moving rang120×78mm		•
	Auxiliary stages70×180mm		√
	Terasaki holder		•
	Φ35mm petri dish holder		•
	Φ54mm slide glass holder		•
	Φ90mm petri dish holder		•
Focusing	Coaxial coarse and fine adjustment, vertical objective movement Coarse stroke 37.7mm per rotation, fine stroke 0.2mm per rotation		√
Illumination	Halogen lamp 6V/ 30W		√
	LED		•
Filter	Blue, green and ground glass, diameter 45mm		√
Power Supply	AC110/220V±10%, 50/60Hz		√
Accessories	Inverted flurescent attahement FL-100, photo attachment, video adapter with C mount		•
Package Size	468*397*665mm		√
Gross Weight	15.5kg		√

Note: √ Standard Outfit, • Optional Trinocular microscope can be installed camera and screen.

Inverted Biological Microscope

Technical Parameters:

Model	BMI-202		
Optical System	Infinite optical system		√
Viewing Head	Seidentopf trinocular viewing head, Inclined at 45°, 360° rotatable, Interpupillary 48~75mm		√
Eyepiece	Φ30 wide field eyepiece WF10×/22, eyepiece tube diameter 30mm		√
	Wide field eyepiece WF15×/16		•
	Wide field eyepiece WF20×/12		•
	Infinite plan achromatic objective 4×/0.10 WD=22		√
Objective	LWD infinite plan achromatic phase objective	10×/0.25 WD=6	√
		20×/0.4 WD=3.1	√
		40×/0.55 WD=2.2	√
	Lamp house adjustment objective		•
Nosepiece	Backward quintuple nosepiece		√
Condenser	ELWD condenser NA0.3, LWD72mm(without condenser 150mm)		√
Centering Telescope	Centering telescope(φ30mm)		√
Phase Annulus	10×, 20×, 40× phase annulus plate(adjustable)		√
Stage	Plain stage 230×170		√
	Glasse insert		√
	Attachable mechanical stage, X, Y coaxial control, moving rang 80×120mm		√
	Auxiliary stage		√
	Terasaki holder		√
	Petri dish holder φ38		
	Petri dish holder φ54		√
Focusing System	Coaxial coarse and fine adjustment, fine division 0.002mm, moving range up 4.5mm down 4.5mm		√
Illumination	6V, 30W halogen lamp, brightness adjustable		√
Filter	Blue, green and ground glasse, diameter 45mm		√
Power Supply	AC110/220V±10%, 50/60Hz		√
Accessories	Photo attachment		•
	C Mount 0.4×		•
	Epi-Fluorescent attachment		•
Package Size	630*350*620mm		√
Gross Weight	15kg		√

Note: √ Standard Outfit, • Optional Trinocular microscope can be installed camera and screen.

Multi-function Biological Microscope

BMM-1000

BMM-2000

Technical Parameters:

Model		BMM-1000	BMM-2000
Viewing Head	Siedentopf hinged binocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 47~75mm	√	√
	Siedentopf hinged trinocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 47~75mm	●	●
Eyepiece	WF10×/18	√	\
	P16×/11	●	\
	WF10×/20	\	√
	WF15×/16	\	●
Objective	Achromatic objective 4×, 10×, 40×,100×	√	\
	Plan achromatic objective 4×, 10×, 40×, 100×	●	\
	Infinite plan achromatic objective 20×, 60×	\	●
	Infinite plan achromatic objective 4×, 10×, 40×, 100×	●	√
Nosepiece	Quadruple nosepiece	√	\
	Backward quadruple nosepiece	\	√
	Backward quintuple nosepiece	\	●
Focusing	Coaxial coarse & fine adjustment, range 22mm, fine division 0.002mm	√	√
Stage	Double layers mechanical stage132*142mm, cross travel 75*40mm	√	\
	Rectangular 230*150mm stage, cross travel 78*54mm, using low-positioned X/Y coaxial control knob	\	√
Condenser	Abbe condenser NA1.25 with aperture diaphragm	√	√
Illumination	S-LED Illumination, brightness adjustable	√	√
	12V/20W Halogen lamp, brightness adjustable	●	●
	Kohler illumination	●	●
Power Supply	AC110/220V±10%, 50/60Hz	√	√
Accessories	Photo attachment, video attachment, dark field condensor only for BMM1000 optional	●	●
	Polarization set, phase contrast kit	\	●
Package Size	323*264*440mm(BMM-1000), 380*260*510mm(BMM-2000)	√	√
Gross Weight	6.5kg(BMM-1000), 10kg(BMM-2000)	√	√

Note: √ Standard Outfit, ● Optional, \ Without this feature

Economical Biological Microscope

BME-500D

BME-500E

BME-500SM

BME-500V

Technical Parameters:

Model	BME-500D	BME-500E	BME-500SM	BME-500V
Viewing Head	Monocular Head Inclined at 45°, 360° rotatable	Compensation Free Binocular Head Inclined at 30°, 360° rotatable	Compensation Free Trinocular Head, 360° rotatable	Dual viewing head, one tube 30°, inclined and another tube vertical, 360° rotatable
Achromatic Objectives	4X, 10X, 40X(S), 100X(S, Oil)			
Eyepiece	Wide Field Eyepiece: WF10X, (WF16X optional)			
Stage	Double Layer Mechanical Stage Size 120X125mm			
Focusing	Coaxial Coarse and Fine Adjustment, Focusing Range 30mm, Focusing Interval 0.002mm			
Condenser	Abbe NA=1.25 with Iris Diaphragm&Filter			
Illumination	LED(1W) Lamp 220V or 110V, (LED 3W lamp optional)			
Power Supply	AC110/220V±10%, 50/60Hz			
Package Size	370*230*470mm			
Gross Weight	5kg			

Note: Trinocular microscope can be installed camera and screen. 110V/220V for LED lamp.

Biological Microscope

XS-208 Series Laboratory Biological Microscope

XS-208A

XS-208B

XS-208C

XS-208AP

XS-208BP

XS-208AB

Technical Parameters:

	Specification	Model					
		XS-208A	XS-208B	XS-208C	XS-208AP	XS-208BP	XS-208AB
Viewing Head	Sliding Binocular Head Inclined at 45°	√					
	Sliding Trinocular Head Inclined at 45°		√				
	Compensation Free Binocular Head inclined at 30°				√		√
	Compensation Free Trinocular Head inclined at 30°			√		√	
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√	√
Eyepiece	WF10X/18mm	√	√	√	√	√	√
Objective	Achromatic 4X, 10X, 40X(S)100X(S, Oil)	√	√			√	√
	Infinite Plan Achromatic 4X, 10X, 40X(S)100X(S, Oil)			√	√		
Stage	Double Layer Mechanical Stage 135*140mm	√	√	√	√	√	√
Condenser	ABBE NA1.25 condenser with Iris Diaphragm&filter, rack&pinion adjustable	√	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W	√	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√	√
Optional Accessories	Photo attachment, Video attachment		√	√		√	
	Dark field condenser, Polarization set, Phase contrast kit	√	√	√	√	√	√
Package	Cartoon with foam	√	√	√	√	√	√
Package Size	250*360*460mm	√	√	√	√	√	√
Gross Weight	8kg	√	√	√	√	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp.

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece.

XSB-Series Laboratory Biological Microscope

XSB-301A

XSB-301B

Technical Parameters:

	Specification	Model				
		XSB-301P	XSB-301B	XSB-103B	XSB-102B	XSB-301A
Viewing Head	Compensation Free Binocular Head inclined at 30°			√		
	Compensation Free Trinocular Head inclined at 30°	√	√			
	Sliding Binocular Head inclined at 45°				√	
	Sliding Trinocular Head inclined at 45°					√
	Sliding Binocular/Trinocular Head inclined at 45°					
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√
Eyepiece	WF10X18mm	√	√	√	√	√
Objective	Plan Achromatic 4X, 10X, 40X(S)100X(S, Oil)	√				
	Achromatic 4X, 10X, 40X(S)100X(S, Oil)		√	√		√
	Achromatic 10X, 20X, 40X(S)100X(S, Oil)				√	
Stage	Double Layer Mechanical Stage 135*140mm	√	√	√	√	√
Condenser	ABBE NA1.25 condenser with Iris Diaphragm & filter, rack&pinion adjustable	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W,	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√
Optional Accessories	Photo attachment, Video attachment	√	√			√
	Dark field condenser, Polarization set, Phase contrast kit	√	√	√	√	√
Package	Each set in styrofoam, to cartoon for safety	√	√	√	√	√
Package	Cartoon with foam	√	√	√	√	√
Package Size	240*340*400mm	√	√	√	√	√
Gross Weight	7kg	√	√	√	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece

BX-Series Laboratory Biological Microscope

BX-101A BX-101B BX-102A BX-102B BX-102C BX-103C

Technical Parameters:

	Specification	Model					
		BX-101A	BX-101B	BX-102A	BX-102B	BX-102C	BX-103C
Viewing Head	Monocular Head inclined at 45°	√					
	Dual Observation 45 °, -90° inclined and vertical 360° rotating		√				
	Sliding Binocular Head inclined at 45°			√	√		
	Compensation Free Binocular Head inclined at 30°					√	
	Sliding Free Trinocular Head inclined at 45°						√
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√	√
Eyepiece	WF10X 18mm	√	√	√	√	√	√
Objective	Achromatic 4X, 10X, 40X(S)100X(S, O)	√	√	√	√	√	√
Stage	Double Layer Mechanical Stage 115*125mm moving range 30*50mm	√	√	√	√	√	√
Condenser	ABBE NA1.25 condenser with Iris Diaphragm & filter, rack&pinion adjustable	√	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W	√	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√	√
Package	Cartoon with foam	√	√	√	√	√	√
Package Size	230*360*460mm	√	√	√	√	√	√
Gross Weight	6kg	√	√	√	√	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece

Inverted Microscope

XDS-403

NIB-100

Technical Parameters:

Model	XDS-403/NIB-100
Viewing Head	Trinocular Head Inclined at 30°, Interpupillary distance 48-75mm
Eyepiece	High point extra wide field eyepiece EW10X/22
Objective	Infinite plan objective: 4X/0.1, WD18mm; 10X/0.25, WD10mm; 20X/0.4, WD5.1mm; 40X/0.6, WD2.6mm Infinite plan phase objective: PH10X/0.25, WD10mm; PH20X/0.4, WD10mm; PH40X/0.65, WD0.35mm
Nosepiece	Quintuple Nosepiece
Condenser	ELWD Condenser NA0.3, LWD72mm(150mm without condenser)
Centering	Centering Telescope (Ø30mm)
Phase Annulus	10X-20X, 40X Pre-adjustable phase annulus plate 10X-20X, 40X Adjustable phase annulus plate
Stage	Plain stage 160*250mm Glass insert Attachable mechanical stage, X-Y coaxial control moving range 120*78mm Auxiliary stage 70*180mm Ø38mm Petri dish holder Ø54mm Slide glass holder
Focusing	Coaxial coarse and fine adjustment, vertical objective movement Coarse stocke 37.7mm pet rotation, fine strok 0.2mm per rotation
Illumination	Halogen lamp 6V/30W
Filter	Diameter 45mm, Blue, Green, and frosted glass
Optional Accessories	Inverted Fluorescent Attachment Video Adapter with C mount
Power Supply	AC110/220V±10%, 50/60Hz
Package Size	350*250*508mm(XSD-403), 468*397*665mm(NIB-100)
Gross Weight	15kg(XSD-403) (NIB-100)

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Metallurgical Microscope

XJD-100

XJD-200

XDS-1

Technical Parameters:

	Specification	Model				
		XJD-100	XJD-200	XDS-1	XDS-2	4XC
Viewing Head	Monocular Head Inclined at 45°	√				
	Sliding Binocular Head Inclined at 45°		√			
	Sliding Trinocular Head Inclined at 45°			√		
	Compensation Free Trinocular Head30°				√	√
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√
Eyepiece	WF10X,WF12.5X	√	√	√		
	WF10X20mm				√	√
Objective	Metallurgical objectives 10X, 40X, 100X(S, Oil)	√	√	√		
	Infinity metallurgical objectives 4X, 10X, 20X(S), 40X				√	√
Stage	Double Layer Mechanical Stage 242*172mm moving range 75*50mm				√	√
	Double Layer Mechanical Stage 135*140mm moving range 70*50mm	√	√	√		
Focusing	Coaxial coarse&fine focusing adjustment with rack and pinion mechanism fine focusing scale value 0.002mm	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W,	√	√	√	√	√
Filter	Blue, Green, Yellow	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√
Package Size	300*400*520mm	√	√	√	√	√
Gross Weight	12kg	√	√	√	√	√

Note: 110V/220V for LED lamp , 220V only for Halogen lamp

Metallogical Microscope

Technical Parameters:

Model		MM-5000
Optical System	Infinite optical system	√
Extra Wide Field Eyepiece	EW10×/22	√
	EW10×/20 eyepiece with scale of cross hair	√
	EW15×/16	√
	EW20×/12	•
Infinite LWD Plan Achromatic Objective	5×/0.12/∞/-(BF/DF) LWD 10mm	•
	10×/0.25/∞/-(BF/DF) LWD 10mm	√
	20×/0.4/∞/0(BF/DF) LWD 5mm	√
	50×/0.75/∞/0(BF/DF) LWD 1.3mm	√
	100×/0.9/∞/0(BF/DF) LWD 0.7mm	√
Viewing Head	Siedentopf binocular viewing head, Inclined at 30°, Interpupillary 48~75mm	√
Kohler Incident Light	12V/50W halogen light, center and brightness adjustable	√
	Polarizer and analyzer	√
	DIC	•
	Built-in green, blue, yellow, gray and ground glass	√
Focusing	Coaxial coarse and fine adjustment, fine division 2μm,	√
Nosepiece	Backward quintuple nosepiece	√
Stage	Double layer mechanical stage 226×178mm, Moving range 40mm×40mm	√
	Stage Φ16, Φ40, teardrop	√
Accessories	Specimen presser	•
	Photo/Video attachment	•
	0.01mm micrometer scale 0.01mm	√
	Lamp house adjustment objective	√
Power Supply	AC110/220V±10%, 50/60Hz	√
Package Size	730*350*550mm	√
Gross Weight	18kg	√

Note: √ Standard Outfit, • Optional

Digital Microscope

BXTV-1

BXTV-1A

BXTV-1B

BXM-1A

BXM-1B

Technical Parameters:

	Specification	Model				
		BXTV-1	BXTV-1A	BXTV-1B	BXM-1A	BXM-1B
Viewing Head	Sliding Trinocular Head Inclined at 45°	√	√			
	Compensation Free Trinocular Head inclined at 30°			√		
	10° LCD				√	√
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√
Eyepiece	WF10X/18mm	√	√	√	√	√
Objective	Achromatic 4X, 10X, 40X(S)100X(S, O)	√	√		√	√
	Plan Achromatic 4X, 10X, 40X(S)100X(S, O)			√	Optional	
Stage	Double Layer Mechanical Stage 135*140mm	√	√	√	√	√
Condenser	ABBE NA1.25 condenser with Iris Diaphragm &filter, rack&pinion adjustable	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W, Power supply 90-230V	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√
Package	Cartoon with foam	√	√	√	√	√
Package Size	250*360*460mm	√	√	√	√	√
Gross Weight	8kg	√	√	√	√	√
Optional Accessory	Camera, Monitor	√	√	√	√	√

Image Sensor	1/3 SONY CCD	**Video Output**	BNC 1.0VP-P.75
Signal System	PAL/NTSC	**Backlight Compensation**	OFF/ON
Scanning frequency	Horizontal: 15.62KHz; Vertical: 50Hz	**Electronic Shuttle**	AUTO IRIS EE
Horizontal Resolution	480TV/520TV	**Camera Interface**	CS
Min Illumination	F1.2 0.5LUX; 0.01 LUX	**Balance**	Auto
Gain Control	Auto	**Power**	DC 12V
48S/N Ratio	50dB AGC		

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Stereo Zoom Microscope

SZM-45

SZM-45T

ST-20

ST-40C

ST-60

Technical Parameters:

Model	Specifications	SZM-45	SZM-45T
Viewing Head	Binocular view head inclined at 60°	√	
	Trinocular view head inclined at 45°		√
	Digital view head inclined at 45°		√
Eyepiece	High point wide field adjustable eyepiece WF10X22mm	√	√
Zoom Objective	0.67X--4.5X	√	√
Zoom Ratio	6.7:1	√	√
Auxiliary Objective	0.5X/177mm,1.5X/47mm, 2X/26mm	√	√
Working Distance	115mm	√	√
Focusing Bracket	Focusing frame and adjustment knob	√	√
Interpupillary Distance	55-75mm/52-75mm	√	√
Up Illumination	12V/15W Inclined reflected halogen lamp	√	√
Down Illumination	12V/15W Halogen transmitted illumination	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√
Package	Cartoon with foam	√	√
Package Size	500*260*370mm		
Gross Weight	8kg		

Model	ST-20	ST-40C	ST-60
Illumination	Natural light Binocular	Tranilluminator/inclined light	Natural light
View Head and Body	Straight Head	Inclined viewing Up-rotatable body	Inclined viewing Body 360°rotatable
Objective	2X inserted	2X&4X 90°rotated	2X&4X 360°rotated
Working Distance	80mm	57mm	100mm
Eyepiece	WF10X/20		
Power Supply	AC110/220V±10%, 50/60Hz		
Package Size	300*200*150mm	360*170*290mm	400*250*360mm
Gross Weight	3kg	6kg	8kg

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Ultrasonic Cleaner

Single Frequency Type

Features:

* Standard basket and lid
* Time and temperature real-time display
* Fully microprocessor controlled and programmable
* Digital display, easy setting for time and temperature

40KHz

80KHz

* Low-level water protect (UC-20S, UC-20SII, UC-30S, UC-30SII, UC-50S, UC-60S, UC-70S)
* Power supply: AC220V±10%, 50/60Hz; 110V±10%, 60Hz (Except UC-5S, UC-10S, UC-20S, UC-20SII)

Technical Parameters:

Model	Capacity (L)	Ultrasonic Frequency	Time Range (min)	Heating Temp.	Ultrasonic Power(W)	Heating Power(W)	Tank Size L*W*H(mm)	External Size L*W*H(mm)
UC-08A	1.3	40KHz	1~30	20~80℃	60	50	150*140*65	180*170*140
UC-10A	2				80	50	150*140*100	180*170*180
UC-20A	3				120	100	240*135*100	270*170*210
UC-30A	6				180	200	300*150*150	330*180*270
UC-40A	10				240	250	300*240*150	330*270*270
UC-50A	14				300	400	300*240*200	330*270*320
UC-60A	15				360	400	330*300*150	360*330*270
UC-70A	19				420	600	330*300*200	360*330*320
UC-80A	22				480	600	500*300*150	550*330*270
UC-100A	30				600	800	500*300*200	550*330*320
UC-5S	2	80KHz	1~480	10~80℃	50	200	150*140*100	208*192*210
UC-10S	4				100	600	300*150*100	320*174*280
UC-20S	6				200	600	300*150*150	320*174*340
UC-20SII	8				200	600	300*150*180	410*350*380
UC-30S	10				300	600	300*240*150	320*264*340
UC-30SII	13				300	400	300*240*180	640*350*400
UC-50S	27				500	800	500*300*180	840*410*400
UC-60S	27				600	800	500*300*180	810*410*400
UC-70S	27				700	800	500*300*180	840*410*410

Double Adjustable Frequencies Type

Features:

* Over-voltage and over-current protection
* Standard basket and lid
* Low-level water protection
* Fully microprocessor controlled and programmable
* Digital display, easy setting for time and temperature

* Time and temperature real-time display
* Power supply: AC220V±10%, 50/60Hz; 110V±10%, 60Hz (Except UC-10SD, UC-10SDII, UC-20SD, UC-20SDII)

Technical Parameters:

Model	Capacity (L)	Adjustable Ultrasonic Frequency(KHz)		Time Range	Heating Temp.	Ultrasonic Power(W)	Heating Power(W)	Tank Size L*W*H(mm)	External Size L*W*H(mm)
UC-30SDG	13	45	80	1 ~ 480min	10 ~ 80℃	300	400	300*240*180	640*350*400
UC-50SD	27	45	80			500	800	500*300*180	840*410*400
UC-60ST	27	45	80			600	800	500*300*180	810*410*400
UC-70ST	27	45	80			700	800	500*300*180	840*410*410
UC-10SD	3	45	80			100	400	230*140*100	260*160*280
UC-10SDII	4	45	80			100	400	230*140*130	340*250*330
UC-20SD	6	45	80			200	400	300*150*150	320*174*340
UC-20SDII	8	45	80			200	400	300*150*180	410*260*380
UC-30SD	10	45	80			300	400	300*240*150	320*264*340
UC-30SDII	13	45	80			300	400	300*240*180	410*350*380

Shaker

Orbital and Linear Shaker

Digital orbital and linear shaker is suitable for mixing in culture dishes, flasks and beakers.

Features:

* LCD display.
* Over speed detection and protection.
* Different platforms and fixtures for selection.
* Can hold 3 pcs platform (only for SK330.5 or SK180.4 petri dish platform)

Technical Parameters:

Model	SK-O330-Pro	SK-L330-Pro	SK-O180-Pro	SK-L180-Pro
Shaking Motion	Orbital	Linear	Orbital	Linear
Orbital Diameter	10mm	/	4mm	/
Amplitude	/	10mm	/	4mm
Max. Shaking Weight (with attachment)	7.5kg		2.5kg	
Motor Type	Brushless DC motor			
Motor Input	28W			
Motor Output	15W			
Speed Range	100-500rpm	100-350rpm	100-800rpm	100-350rpm
Speed Display	LCD			
Time Range	1~1199min			
Operation Mode	Continuous/timed operation			
Ambient Temp	5~40℃			
Protection Type	IP21			
Connection Interface	RS232			
Consumption	30W			
Power Supply	AC110/220V±10%, 50/60Hz			
Standard Accessory	1pc SK330.1 universal attachment		1pc SK180.1 universal attachment	
External Size(W*D*H)	370*420*100mm		300*340*100mm	
Package Size(W*D*H)	500*600*230mm (Shaker) 380*480*200mm (Accessory)		450*450*200mm (Shaker) 380*480*200mm (Accessory)	
Gross Weight	15kg (Shaker), 2kg (Accessory)		10kg(Shaker), 2kg (Accessory)	

3D and Rocking Shaker

3D shaker and Rocking shaker are suitable for mixing applications in wide fields including, gel staining and destaining, washes, hybridisations, immune precipitation and Western blots etc.

SK-D3309-Pro

SK-R330-Pro

Features:

* LCD display.
* Different platforms and fixtures for selection.
* 3D shaker: gentle 3D motion with fixed angle 9°;
  Rocking shaker: smooth see-saw rocking motion with fixed angle 9°.
* Can hold 3 pcs platform (only for SK330.5 petri dish platform)

Technical Parameters:

Model	SK-D3309-Pro	SK-R330-Pro
Rocking Motion	3D orbital	See-saw rocking
Angle	9°	
Max. Load Capacity (with attachment)	5kg	10kg
Motor Type	DC motor	
Speed Range	10~70rpm	
Speed Display	LCD	
Time Range	1~1199min	
Operation Mode	Continuous/ timed operation	
Ambient Temp.	5~40℃	
Protection Type	IP21	
Consumption	50W	
Power Supply	AC110/220V±10%, 50/60Hz	
Standard Accessory	1pc SK330.5 petri dish platform	
External Size(W*D*H)	360*430*106mm	360*410*200mm
Package Size(W*D*H)	480*540*370mm	480*560*340mm
Gross Weight	17kg	15.5kg

Optional Accessories:

Cat. No.	18900027	18900040	18900155	18900028	18900025	18900038	18900185	18900026
Model	SK330.1	SK330.3	SK330.5	SK330.2	SK180.1	SK180.3	SK180.4	SK180.2
Descriptions	Universal attachment with 4 bars Size(W*D): 300*300mm	Lengthways roller attachment Size(W*D): 300*300mm	Petri dish platform with non-slip mat and fixed string (8 pcs) Size(W*D): 300*285mm	Fixing clip attachment	Universal attachment with 3 bars Size(W*D): 240*240mm	Lengthways roller attachment Size(W*D): 240*240mm	Petri dish platform with non-slip mat Size(W*D): 240*215mm	Fixing clip attachment
Used with Shakers								
SK-R330-Pro	√	√	√	√	/	/	/	/
SK-D3309-Pro	√	√	√	√	/	/	/	/
SK-O330-Pro/ SK-L330-Pro	√	√	√	√	/	/	/	/
SK-O180-Pro/ SK-L180-Pro	/	/	/	/	√	√	√	√

Cat. No.	18900029	18900030	18900031	18900032	18900033	18900036	18900037
Descriptions	Fixing clip for flask volume 25ml, used with SK330.2 (28pcs)&SK 180.2 (9pcs)	Fixing clip for flask volume 50ml, used with SK330.2 (16pcs)&SK 180.2 (9pcs)	Fixing clip for flask volume 100ml, used with SK330.2 (16pcs) & SK180.2 (9pcs)	Fixing clip for flask volume 200ml/250ml, used with SK330.2 (9pcs) &SK180.2 (4pcs)	Fixing clip for flask volume 500ml, used with SK330.2 (9pcs) & SK180.2 (2pcs)	Bar for SK330.1 universal attachment	Bar for SK180.1 universal attachment
Used with Shakers							
SK-R330-Pro	√	√	√	√	√	√	/
SK-D3309-Pro	√	√	√	√	√	√	/
SK-O330-Pro/ SK-L330-Pro	√	√	√	√	√	√	/
SK-O180-Pro/ SK-L180-Pro	√	√	√	√	√	/	√

Wrist Shaker

Features:

* PID microprocessor control, LCD display.
* Maintenance-free spherical bearings.
* 8 customized programs, with different speed and time setting.
* Automatic operation, auto-stop, timing,time display, parameters memory and recovery function.
* Simulating manual oscillation from mild to strong shaking.
* Suitable for flask, reagent bottles, tubes, jars, narrow mouth bottles, retort, separating funnel, straight mouth bottles.
* Leakage current and over current safety protection system.
* Can be used in incubators, warm rooms, environmental chambers and refrigerators.

Technical Parameters:

Model	SK-W810
Angle Shaking	12°
Rotary Speed	50-600rpm
Rotary Accuracy	±1rpm
Operation Mode	Continuous or timing
Max. Opening of the Clips	50mm
Max. loading	Each side is 6.8 Kg
Ambient Temp.	4~40℃
Ambient Humidity	20-80%RH
Motor	Variable frequency motor
Material	Main body and arm 304 stainless steel
Standard Accessory	Main body, arm stand, flask clip*8 pcs
Consumption	60W
Power Supply	AC110/220V±10%, 50/60Hz
Main Body Size(W*D*H)	272*452*320mm
Complete Machine Size(W*D*H)	810*452*320mm
Package Size(W*D*H)	590*500*600mm
Net/Gross Weight	30/45Kg

Small Capacity Shaker

SK-311TD / 322 TD are large vibration type, vibration range is 100mm.

SK-300D / 311D / 322D are single-layer type, vibration range is 50mm.

SK-300D（Table Top）

SK-311D/TD

SK-322D/TD

Features:

* PID microprocessor control.
* Advanced unishaft drive, low noise.
* Eight self-compiled programs, with different speed and time setting.
* Automatic operation, auto-stop, timing, time display, parameters memory and recovery function.
* Independent over-speed audio and visual alarm, independent leakage protection device.
* Automatic power-off protection system when the motor is overheating and temperature is out of control.

Technical Parameters:

Model	SK-300D	SK-311D	SK-311TD	SK-322D	SK-322TD
Controller	PID				
Display	LCD				
Circulation Mode	Natural convection				
Shaking Mode	Rotatory shaking				
Drive Mode	Unishaft drive				
Rotating Speed	30~300rpm	30~300rpm	30~250rpm	30~300rpm	30~250rpm
Rotating Accuracy	±1rpm				
Vibration Range	Φ50mm	Φ50mm	Φ100mm	Φ50mm	Φ100mm
Timing Range	0 ~999.59hours				
Shaking Plate Size	680*500mm	840*620mm	840*620mm	1108*740mm	1108*740mm
Standard Capacity (Clamps)	250ml*30	250ml*54		250ml*96	
Optional Flask Clamps	250ml*30 or 500ml*24 or 1000ml*15 or 5000ml*4	250ml*54 or 500ml*35 or 1000ml*24 or 5000ml*6		250ml*96 or 500ml*60 or 1000ml*40 or 5000ml*12	
External Material	Cold-rolled steel with anti-bacterial powder coating				
Consumption	70W	150W	150W	280W	280W
Power Supply	AC110/220V±10%, 50/60Hz				
External Size (W*D*H)mm	680*615*300	900*650*480	900*650*480	1210*775*480	1210*775*480
Package Size (W*D*H)mm	780*715*450	1000*750*630	1000*750*630	1310*875*630	1310*875*630
Gross Weight(kg)	128	245	300	365	305

Large Capacity Shaker

Double-layer Shaker

SK-3112

SK-3222

SK-3332

Three-layer Shaker

SK-3432

SK-3112/3222/3332 are double layer large-capacity shakers, vibration range is 50mm.

SK-3432 is three-layer large-capacity shakers, vibration range is 50mm.

Features:

* Soft shaking mode, stable and reliable operation.
* Eight self-compiled programs, with different speed and time setting.
* Automatic operation, auto-stop, timing, time display, parameters memory and recovery function.
* Automatic power-off protection system when the motor is overheating and temperature is out of control.

Technical Parameters:

Model	SK-3112	SK-3222	SK-3332	SK-3432
Controller	PID			
Display	LCD			
Circulation Mode	Natural convection			
Shaking Mode	Rotary shaking			
Drive Mode	Unishaft drive		Multidimensional driving	
Rotating Speed	30~300 rpm		30~250 rpm	
Rotating Accuracy	±1rpm			
Vibration Range	Φ50mm			
Timing Range	0 ~999.59h			
Shaking Plate Size	840*620mm	1108*740mm	1080*680 mm	1080*680 mm
Shaking Plate Quantity	2 pcs		4 pcs	6 pcs
Standard Capacity (Clamps)	250ml*54 500ml*35	250ml*96 500ml*60	250ml*150 500ml*108	250ml*225 500ml*162
Optional Flask Clamps	250ml*108 or 500ml*70 or 1000ml*48	250ml*192 or 500ml*120 or 1000ml*80	250ml*300 or 500ml*216 or 1000ml*112	250ml*450 or 500ml*324 or 1000ml*168
External Material	Cold-rolled steel with anti-bacterial powder coating			
Power Supply	AC110/220V±10%, 50/60Hz			
Consumption	280W		750W	1100W
External Size(W*D*H) mm	910*680*820	1270*810*425	1590*1120*950	1470*1110*1320
Package Size(W*D*H) mm	1010*780*970	1370*910*575	1690*1220*1000	1570*1210*1470
Gross Weight(kg)	358	552	789	800

Vortex Mixer

MX-S
with universal top plate
and a tube adapter

MX-S
Adjustable speed

MX-S
with holding rod and
tube adapter

MX-F
fixed speed

Features:

* Touch and continuous operations.
* Aluminium cast base avoids unnecessary moving.
* Optional vacuum suction feet hold to the work surface and prevent the unit from moving.

Accessories for MX-S:

Cat. No: 18900034 VT1.1 Standard top for <Ø30mm tubes and small vessels	**Cat. No: 18900035** VT1.3 Universal top plate Ø 100mm, used with tube adapters.	**Cat. No: 18900020** VT1.3.1 tube adapter for 48 holes test tubes, Ø6mm, used with VT1.3/ VT1.2	**Cat. No: 18900021** VT1.3.2 tube adapter for 15 holes test tubes, Ø10mm, used with VT1.3/ VT1.2	**Cat. No: 18900022** VT1.3.3 tube adapter for 12 holes test tubes, Ø12mm, used with VT1.3/ VT1.2
Cat. No: 18900023 VT1.3.4 tube adapter for 8 holes test tubes, Ø 1 6mm, used with VT1.3/ VT1.2	**Cat. No: 18900024** VT1.3.5 tube adapter for 8 holes test tubes, Ø20mm, used with VT1.3/ VT1.2	**Cat. No: 18900043** VT1.3.6 Platform pad for <Ø99mm tubes and small vessels	**Cat. No: 18900158** VT1.3.7 Rubber vacuum suction foot	**Cat. No: 18900044** VT1.2 Tube holding rod used with tube adapters

Technical Parameters:

Model	MX-S	MX-F
Shaking Mode	Orbital	
Orbital Diameter	4mm	
Motor Input	58W	
Motor Output	10W	
Speed Range	0~2500rpm	2500rpm
Speed Display	Scale	/
Operation Mode	Continuous/touch operation	
Ambient Temp.	5-40℃	
Relative Humidity	80%	
Protection Type	IP21	
Power Consumption	60W	
Power Supply	AC110/220V±10%, 50/60Hz	
Standard Accessories	VT1.1 Standard top	
External Size(W*D*H)	127*160*130mm	
Package Size(W*D*H)	250*230*200mm	
Gross Weight	3kg	

Optional Accessories:

Accessories	MX-S (0~2500rpm)	
	Touch Mode (High Speed Area)	Continuous Mode (Low Speed Area)
VTI.2 + VT1.3.1	Optional	/
VTI.2 + VT1.3.2	Optional	/
VTI.2 + VT1.3.3	Optional	/
VTI.2 + VT1.3.4	Optional	/
VTI.2 + VT1.3.5	Optional	/
VTI.3 + VT1.3.6	Optional	/
VTI.3 + VT1.3.1	/	Optional
VTI.3 + VT1.3.2	/	Optional
VTI.3 + VT1.3.3	/	Optional
VTI.3 + VT1.3.4	/	Optional
VTI.3 + VT1.3.5	/	Optional

Microplate Mixer

MX-M
With microplate clamp

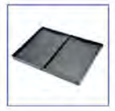
MX-M
with universal top plate and
a tube adapter

Features:

* Continuous operation.
* Stepless speed regulation of motor.
* DC brushless motor, low running noise and long life.
* Wide range of accessories, easy installation and replacement.
* Compact and universal Microplate Mixer is suitable for small vessels and 96 microplate.

Accessories:

Cat. No: 18900042
PS1.2 Microplate clamp(standard)



Cat. No: 18900079
MXM-116 Double microplate clamps

Cat. No: 18900067
PS1.1 Universal top plate(round), used with tube adapters

Cat. No: 18900020
VT1.3.1 tube adapter for 48 holes test tubes, Ø6mm (0.5ml), used with PS1.1

Cat. No: 18900021
VT1.3.2 tube adapter for 15 holes test tubes, Ø10mm (1.5~2.0ml), used with PS1.1

Cat. No: 18900022
VT1.3.3 tube adapter for 12 holes test tubes, Ø12mm (2~7ml), used with PS1.1

Cat. No: 18900023
VT1.3.4 tube adapter for 8 holes test tubes, Ø16mm (4~15ml), used with PS1.1

Cat. No: 18900024
VT1.3.5 tube adapter for 8 holes test tubes, Ø20mm (20ml), used with PS1.1

Technical Parameters:

Model	MX-M
Shaking Mode	Orbital
Orbital Diameter	4.5mm
Max. Shaking Weight(with attachments)	0.5kg
Motor Type	DC brushless motor
Motor Input	18W
Motor Output	10W
Speed Range	0~1500rpm (single microplate) ; 0~1000rpm (double microplate)
Speed Display	Scale
Ambient Temp.	5~40℃
Relative Humidity	80%
Protection Type	IP21
Power Consumption	20W
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H) mm	150*260*80
Package Size(W*D*H) mm	210*350*180
Gross Weight(kg)	3

Roller Mixer

Roller mixer is used for mixing blood samples, viscous substances and liquid-solid suspensions, prevention of blood coagulation and immune precipitation etc.

MX-T6-S

MX-T6-Pro

Features:

* LCD display indicates the speed and time for MX-T6-Pro.
* Gentle and highly efficient rocking and rolling motion.

Technical Parameters:

Model	MX-T6-S	MX-T6-Pro
Mixing Mode	Rocking & Rolling	
Speed Range	0~70rpm	10~70 rpm
Rocking Amplitude	24mm	
Number of Roller	6 pcs	
Roller Length	280mm	
Max. Loading Weight	4kg	
Timing Range	/	1~1199min
Operation Mode	Continuous	Continuous or timing
Display	/	LCD
Motor Type	DC motor	
Consumption	25W	30W
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H) mm	260*450*120mm	
Package Size(W*D*H) mm	400*600*260mm	
Gross Weight(kg)	6.5kg	8kg

Rotating Mixer

MX-RD-E

MX-RD-Pro

Features:

* Speed is adjustable.
* LCD display indicates the speed and time for MX-RD-Pro.
* The plate's angle is adjustable from 0° to 90° for MX-RD-Pro.
* Material of the plate: Stainless steel with oxidation coating (MX-RD-E), Stainless Steel (MX-RD-Pro).
* Material of the clip: Plastic (MX-RD-E), Stainless Steel (MX-RD-Pro).
* Three clip sizes are selectable, suit for the tubes: 1.5ml, 15ml, 50ml.

Stainless steel clip
Cat No.: 18900196, for 1.5ml centrifuge tube
Cat No.: 18900197, for 15ml centrifuge tube
Cat No.: 18900198, for 50ml centrifuge tube

Plastic clip
Cat No.: 18900327, for 1.5ml centrifuge tube
Cat No.: 18900328, for 15ml centrifuge tube
Cat No.: 18900329, for 50ml centrifuge tube

Accessories for MX-RD-Pro:

18900160 plate or 18900162 plate can be selected as the standard accessory; 18900161 plate is optional.

Cat. No.: 18900160
Type 1 plate
60*1.5ml centrifuge tube

Cat. No.: 18900161(Optional)
Type 2 plate
16*15ml centrifuge tube

Cat. No.: 18900162
Type 3 plate
8*50ml centrifuge tube

Cat. No.: 18900140
Plate support rods
4pcs in a group, use with plates

Technical Parameters:

Model	MX-RD-E	MX-RD-Pro
Speed Range	0~80rpm	10~70rpm
Inclining Angle Range	/	0°~90°
Timing Range	/	1~1199min
Operation Mode	Continuous	Continuous or Timing
Display	/	LCD
Motor Type	DC motor	
Consumption	20W	40W
Power Supply	AC110/220V±10%, 50/60Hz	
Standard Accessory	1 pc Plate, 3 bags Plastic clip (12 pcs/ bag)	1 pc Plate, 1 bag SS clip
External Size(W*D*H)	220*300*310mm	210*280*300mm
Package Size(W*D*H)	350*450*420mm	350*400*400mm
Gross Weight	5kg	7kg

Vertical Rotating Mixer

MX-RL-E

MX-RL-Pro

Features:

* Speed is adjustable.
* LCD display indicates the speed and time for MX-RL-Pro.
* Material of the tube holder: Stainless steel with oxidation coating (MX-RL-E), Stainless Steel (MX-RL-Pro).
* Material of the clip: Plastic (MX-RL-E), Stainless Steel (MX-RL-Pro).
* Three clip sizes are selectable, suit for the tubes: 1.5ml, 15ml, 50ml.

Stainless steel clip
Cat No.: 18900196, for 1.5ml centrifuge tube
Cat No.: 18900197, for 15ml centrifuge tube
Cat No.: 18900198, for 50ml centrifuge tube

Plastic clip
Cat No.: 18900327, for 1.5ml centrifuge tube
Cat No.: 18900328, for 15ml centrifuge tube
Cat No.: 18900329, for 50ml centrifuge tube

Tube Holder for MX-RL-Pro:

18900142 or 18900144 or 18900145 or 18900147 plate can be selected one as the standard accessory; 18900143 and 18900146 plate are optional.

Cat. No.: 18900142
For 48*1.5ml centrifuge tube
Held horizontally

Cat. No.: 18900143
(Optional)
For 24*15ml centrifuge tube
Held horizontally

Cat. No.: 18900144
For 24*50ml centrifuge tube
Held horizontally

Cat. No.: 18900145
For 32*1.5ml centrifuge tube
Held vertically

Cat. No.: 18900146
(Optional)
For 16*15ml centrifuge tube
Held vertically

Cat. No.: 18900147
For 16*50ml centrifuge tube
Held vertically

Technical Parameters:

Model	MX-RL-E	MX-RL-Pro
Speed Range	0~80rpm	10~70rpm
Timing Range	/	1~1199min
Operation Mode	Continuous	Continuous or Timing
Display	/	LCD
Motor Type	DC motor	
Consumption	20W	40W
Power Supply	AC110/220V±10%, 50/60Hz	
Standard Accessory	1 pc Tube holder, 3 bags Plastic clip (12 pcs/ bag)	1pc Tube holder, 1 bag SS clip
External Size(W*D*H)	530*150*190mm	510*220*260mm
Package Size(W*D*H)	800*350*420mm	800*350*420mm
Gross Weight	10kg	11kg

Stirrer

Hotplate Magnetic Stirrer

Features of BS-2H/3H:

* Cast Aluminum with surface spraying plate.
* Max. Temp.: 380℃, max. speed: 2000rpm.
* Heating and stirring can proceed simultaneously.
* Heating power and stirring speed is steplessly adjusted.

BS-2H

BS-3H

Features of BS-4H/4HC:

* Ceramic plate.
* PT100 sensor is standard for BS-4HC.
* With the adjustable rack and stirrer bar.
* Max. Temp.: 380℃, max. speed: 2000rpm.
* Heating and stirring can proceed simultaneously.
* Heating power and stirring speed is steplessly adjusted.
* Enclosed hot plate with flame protection, fast warm-up and durability.

BS-4H

BS-4HC

Technical Parameters:

Model	BS-2H	BS-3H	BS-4H	BS-4HC
Work Plate Size	120*120mm	170*170mm	190*190mm	
Work Plate Material	Cast Aluminum with surface spraying		Ceramic	
Max. Stirring Capacity	2L	5L		
Speed Range	100~2000rpm		200~2000rpm	
Heating Temp.	380℃		350 ℃	
Power Consumption	180W	500W	600W	
Power Supply	AC110/220V±10%, 50/60Hz			
Standard Accessory	Adjustable rack, stirrer bar; PT100 sensor (only for BS-4HC)			
External Size(W*D*H) mm	200*120*90	265*185*190	320*190*125	
Package Size(W*D*H) mm	250*180*120	280*210*220	390*240*230	
Net Weight(kg)	1.9	2.2	5	
Gross Weight(kg)	3	3.4	6	

Hotplate Magnetic Stirrer

MYP11-2

MYP11-2A

SH05-3G

X85-2

X85-2S

Technical Parameters:

Model	MYP11-2	MYP11-2A	SH05-3G	X85-2	X85-2S
Work Plate Size	φ145mm		φ175mm	φ145mm	
Work Plate Material	Aluminum alloy		Stainless steel	Aluminum alloy	
Max. Stirring Capacity	5L		10L	5L	
Motor Type	Brushless DC motor				
Motor Output	15W			10W	
Speed Range	50~1500rpm		0~1500rpm		
Digital Display	Speed, temperature, time			/	Speed
Control	Button	Knob + Button	Button	Knob	
Heating Output	600W		800W	600W	
Heating Temp. Range	RT~320℃		RT~250℃	RT+25~300℃	
Temp. Accuracy	±0.5℃		±1℃	/	
Timing Range	1~9999min		1~250min	/	
Power Supply	AC220V±10%, 50/60Hz				
External Size(W*D*H) mm	280*160*90		330*190*130	250*150*135	
Package Size(W*D*H) mm	380*300*190		430*330*230	350*290*240	
Gross Weight(kg)	4.5		7	6	

Hotplate Magnetic Stirrer

MS7-H550-Pro MS7-H550-S MS-H-Pro+ MS-H-Prot (with timer) MS-H-S MS-H280-Pro

Technical Parameters:

Model	MS7-H550-Pro	MS7-H550-S	MS-H-Pro+	MS-H-Prot	MS-H-S	MS-H280-Pro
Work Plate Size	184*184mm (7 inch)		φ135mm (5 inch)			
Work Plate Material	Glass ceramic		Stainless steel with ceramic coated			
Max. Stirring Capacity	20L	10L	20L			3L
Motor Type	Brushless DC motor	Shaded pole motor	Brushless DC motor			
Motor Input	18W	15W	18W			5W
Motor Output	10W	1.5W	10W			3W
Speed Range	100~1500rpm	0~1500 rpm	100~1500rpm		0~1500rpm	200~1500rpm
Speed Display	LCD	Scale	LCD		Scale	LED
Speed Display Accuracy	±1rpm	/	±1rpm		/	±1rpm
Heating Output	1000W		500W			
Heating Temp. Range	RT-550℃, increment 1℃	RT-550℃, increment 5℃	RT-340℃, increment 1℃		RT~340℃	RT-280℃, increment 1℃
Control Temp. Accuracy	±1℃(<100℃) ±1%(>100℃)	±10℃	±1℃(<100℃) ±1%(>100℃)		/	±1℃(<100℃) ±1%(>100℃)
Overheating Protection	580℃		420℃			320℃
Temp. Display	LCD	LED	LCD		Scale	LED
Display Temp. Accuracy	±0.1℃	±1℃	±0.1℃		/	±1℃
Timing Range	/			1~99h59min	/	
External Temp. Sensor	Optional PT1000				/	Optional PT1000
Max. Stirrer Bar Length	80mm					50mm
Interface	RS232	/	RS232		/	
Protection Type	IP21		IP42			IP21
Working Environment	5-40℃, 80%RH					
Power Consumption	1050W	1030W	550W		530W	515W
Power Supply	AC110/220V±10%, 50/60Hz					
External Size(W*D*H)	215*360*112mm		160*280*85mm			150*260*80mm
Package Size(W*D*H)	280*420*200mm		210*345*160mm			225*290*190mm
Gross Weight	6.5kg		3.5kg			2.5kg

Magnetic Stirrer

MS-S MS-PA MS-PB

Technical Parameters:

Model	MS-S	MS-PA	MS-PB
Work Plate Size	φ135mm (5 inch)		
Work Plate Material	Stainless steel with ceramic coated	Nylon + GF	
Max. Stirring Capacity	20L	3L	
Motor Type	Brushless DC motor		DC motor
Motor Input	18W	5W	
Motor Output	10W	3W	
Speed Range	0~1500rpm	200~1500rpm	0~1500rpm
Speed Display	Scale	LED	Scale
Max. Stirrer Bar Length	80mm	50mm	
Working Environment	5~40℃, 80%RH		
Protection Type	IP42		
Power Consumption	30W	15W	10W
Power Supply	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)	160*280*85mm	150*260*80mm	
Package Size(W*D*H)	210*345*160mm	220*295*180mm	
Gross Weight	3kg	2kg	

Accessories:

	Stirrer bars and bar remover(PTFE), use below 150℃		
	Models		
	MS-H550-Pro MS-H550-S MS-H-Pro+ MS-H-Prot MS-H-S MS-S	MS-H280-Pro MS-PA MS-PB	MS-H-S10 MS-M-S10

Cat. No.	Size of magnetic bars (L*Ø) mm	Suitable for Max. magnetic bar 80mm	Suitable for Max. magnetic bar 50mm	Suitable for Max. magnetic bar 40mm
18900006	10*6	√	√	√
18900007	15*8	√	√	√
18900008	20*8	√	√	√
18900009	25*8	√	√	√
12500005	30*6	√	√	√
18900011	40*8	√	√	√
12500004	50*8	√	√	/
18900013	65*8	√	/	/
18900014	80*13	√	/	/
18900015	Magnetic bar remover, length of 200mm	√	√	√

Cat. No.	18900019	18900016	18900136	18900017	18900148
Descriptions	F101 protective cover, for hotplate models, temperature resistance of 135°C	PT1000-A, temperature sensor for digital hotplate models, length of 230mm	PT1000-B, temperature sensor with glass coated, length of 230mm, used for digital hotplate models	Support clamp of PT1000	Support clamp of PT1000, use with MS-H280-Pro
Model					
MS7-H550-Pro	/	√	√	√	/
MS7-H550-S	/	√	√	√	/
MS-H-Pro+	√	√	√	√	/
MS-H-Prot	√	√	√	√	/
MS-H-S	√	/	/	/	/
MS-H280-Pro	√	√	√	/	√

Cat. No.	18900001	18900065	18900002	18900004	18900003	18900005	18900048	18900049	18101006	18101007	18101008	18101009
Descriptions	Blue carrying plate, use with color quarter pies	Blue Fixed ring, use with color quarter pies	Red quarter pie, 11 holes, 4 ml reaction vessel, Ø15.2mm, 20mm depth	Blue quarter pie, 4 holes, 30ml reaction vessel, Ø28mm, 30mm depth	Purple quarter pie, 4 holes, 20 ml reaction vessel, Ø28mm, 24mm depth	Black quarter pie, 4 holes, 40ml reaction vessel, Ø28mm, 43mm depth	Green quarter pie, 6 holes, 8ml reaction vessel, Ø17.8mm, 26mm depth	Golden quarter pie, 4 holes, 16ml reaction vessel, Ø21.6mm, 31.7mm depth	Reaction block for 50ml round bottom flask (one flask capacity)	Reaction block for 100ml round bottom flask (one flask capacity)	Reaction block for 250ml round bottom flask (one flask capacity)	Reaction block for 500ml round bottom flask (one flask capacity)
Model												
MS7-H550-Pro	/	/	√	√	√	√	√	√	/	/	/	/
MS7-H550-S	/	/	√	√	√	√	√	√	/	/	/	/
MS-H-Pro+	√	√	√	√	√	√	√	√	√	√	√	√
MS-H-Prot	√	√	√	√	√	√	√	√	√	√	√	√
MS-H-S	√	√	√	√	√	√	√	√	√	√	√	√
MS-H280-Pro	√	√	√	√	√	√	√	√	√	√	√	√

Magnetic hotplate stirrers are available to hold quarter color pies(volume range from 4mL to 16mL) and reaction blocks (volume range from 50mL to 500mL), which ensure uniform heating distribution and excellent resistance to chemicals. The color pies and blocks with aluminum material which are easy to clean and safety for lab.

Magnetic Stirrer

98-2

H03-A

85-1

85-1A

85-2A

90-1

90-1B

96-1

H01-2

Technical Parameters:

Model	98-2	H03-A	85-1	85-2A	90-1	90-1B	96-1	H01-2
Work Plate Material	Stainless steel							
Max. Stirring Capacity	10L		3L	5L	20L		50L	
Motor Type	Brushless DC motor							
Speed Range	0~2000rpm		0~1500rpm	0~2000rpm	60~2000rpm		60~1400rpm	
Digital Display	/	Speed	/	/	/	Speed	/	Speed
Control	Knob							
Power Consumption	15W		8W	10W	40W		100W	
Power Supply	AC110/220V±10%, 50/60Hz							
External Size(W*D*H)mm	260*160*110	210*210*105	210*130*65	245*145*100	305*300*105		410*400*115	
Package Size(W*D*H)mm	450*300*250	400*400*250	400*250*200	380*300*220	510*430*250		550*550*220	
Gross Weight(kg)	8	7.5	5.5	7.5	10		20	

Multi-Position Magnetic Stirrer

MS-M-S10

MS-H-S10

84-1(4 positions)

524G

84-1(6 positions)

H01-1D

Technical Parameters:

Model	MS-M-S10	MS-H-S10	84-1 (4 positions)	84-1 (6 positions)	524G	H01-1D
Work Plate Size	180*450mm		290*280mm	420*300mm	φ145mm	
Work Plate Material	Stainless steel with silicone film		Stainless steel		Aluminum alloy	Stainless steel
Max. Stirring Capacity	0.4L*10	0.4L*10	1.5L*4	1.5L*6	3L*4	3L*6
Motor Type	Brushless DC motor					
Speed Range	0~1100rpm		0~1500rpm			
Digital Display	/		Speed		Speed, Temp., Time	Temperature
Control	Scale		Knob		Button	Knob
Heating Output	/	470W	/		4*600W	6*360W
Heating Temp. Range	/	RT~120℃	/		RT~150℃	
Working Environment	5~40℃, 80%RH					
Power Supply	AC110/220V±10%, 50/60Hz		AC220V±10%, 50/60Hz			
External Size(W*D*H)	182*552*65mm		290*280*80mm	420*300*80mm	380*380*145mm	1005*230*130mm
Package Size(W*D*H)	250*710*165mm		540*350*180mm	670*360*180mm	520*520*240mm	1130*400*270mm
Gross Weight	7kg		8kg	11kg	22kg	35kg

Overhead Stirrer

OS40-S/OS20-S
LED Overhead Stirrer

OS40-S/OS20-S
with universal plate stand

OS40-Pro/OS20-Pro
LCD Overhead Stirrer

OS40-Pro/OS20-Pro
with universal plate stand

Technical Parameters:

Model	OS40-S	OS20-S	OS40-Pro	OS20-Pro
Max. Stirring Capacity	40L	20L	40L	20L
Motor Input	120W	60W	120W	60W
Motor Output	100W	50W	100W	50W
Speed Range	50~2200rpm			
Speed Display	LED		LCD	
Speed Display Accuracy	±3rpm			
Max. Torque	600mN.M	400mN.M	600mN.M	400mN.M
Torque Display	/		LCD	
Overload Protection	Visual alarm, motor automatic stop			
Max. Viscosity	50000mPas	10000mPas	50000mPas	10000mPas
Chuck Diameter Range	0.5~10mm			
Protection Type	IP21			
Working Environment	5~40℃, 80%RH			
Interface	/		RS232	
Power Consumption	130W	70W	130W	70W
Power Supply	AC110/220V±10%, 50/60Hz			
Standard Accessory	/		Universal plate stand 18900131, Propeller stirrer 18900071	
External Size(W*D*H)	83*186*220mm			
Package Size(W*D*H)	205*335*475 mm		Main body & Propeller stirrer: 480*380*450 Universal pate stand: 800*360*130	
Gross Weight	5.5kg		Main body & Propeller stirrer: 6kg Universal pate stand: 8kg	

Optional Accessories:

Cat. No.	18900131	18900071	18900072
Descriptions	Universal plate stand (W*D: 20*31cm), including support holder (H: 78cm) and fixing device	Propeller stirrer, shaft length 40cm, stirrer diameter 5cm, 316L stainless steel Standard stirring element, used at medium and high speeds	Straight stirrer, shaft length 40cm, stirrer diameter 6cm, 316L stainless steel Suitable for mixing of low viscosity media, used at medium and high speeds
Cat. No.	18900073	18900074	18900075
Descriptions	Paddle stirrer, shaft length 40cm, stirrer diameter 6.8cm, 316L stainless steel Gentle processing samples, used at low and medium speeds	Centrifugal stirrer, shaft length 40cm, stirrer diameter 9cm, 316L stainless steel Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds	Propeller stirrer, shaft length 35cm, stirrer diameter 6.5cm, PTFE coated Standard stirring element, used at medium and high speeds
Cat. No.	18900076	18900077	18900078
Descriptions	Straight stirrer, shaft length 35cm,stirrer diameter 7cm, PTFE coatedSuitable for mixing of low viscosity media, used at medium and high speeds	Paddle stirrer, shaft length 35cm, stirrer diameter 6.8cm, PTFE coated Gentle processing samples, used at low and medium speeds	Centrifugal stirrer, shaft length 35cm, stirrer diameter 8.5cm, PTFE coated Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds

Ceramic Hot Plate

Technical Parameters:

Model	CH-300	CH-400
Plate Size	300*200mm	400*280mm
Max. Temperature	450°C	
Material(Hot plate)	Ceramic with anti-bacteria powder coating	
Power Supply	AC220V,50/60Hz	
Consumption	1800W	2200W
External Size(W*D*H)mm	350*340*188	450*420*188
Package Size(W*D*H)mm	490*445*310	500*470*220
Gross Weight(kg)	18	19

Features:

* PID controller
* Totally enclosed ceramic heating plate, with halogen-light, heating up fast, safe and reliable.

Graphite Hot Plate

Features:

* PID controller
* Totally enclosed high purity graphite, keeps temperature uniformity
* Double shell design, with anti-corrosion power coating, keeps the normal work of the instrument in acid environment.

Technical Parameters:

Model	GH-300	GH-400	GH-450	GH-600
Plate Size	300*200mm	400*280mm	450*350mm	600*400mm
Range of Temperature	RT+10 ～ 450°C			
Temperature Control Accuracy	±1.0°C			
Material(Hot plate)	Graphite with anti-bacteria powder coating			
Temp. Fluctuation Degree	±1.0°C			
Power Supply	AC220V,50/60HZ			
Consumption	1000W	1500W	2000W	3000W
Package Size(W*D*H)mm	350*330*260	520*450*345	570*520*345	740*580*345
Gross Weight(kg)	10	20	26	33

Glass Ceramic Hot Plate

Features:

* LED display
* Totally enclosed glass ceramic heating plate, provides chemical-resistant and most efficient heat transfer
* Separate safety circuits with fixes safety temperature of 580℃
* External temperature control is possible by connecting the temperature sensor (PT 1000) with and accuracy at ±0.5℃
* Alarm: The HOT warning will flash when the heating plate temperature is over 50℃, even the heating plate is turn off

Technical Parameters:

Model	HP550-S
Plate Size	184*184mm (7 inch)
Max. Temperature	RT~550℃
Heating Accuracy	±10℃
Heating Position	1
Material (Main body)	Glass ceramic
Protection Warning	50℃
Power Supply	AC110/220V±10%, 50/60Hz
Consumption	1000W
External Size(W*D*H)mm	215*360*112
Package Size(W*D*H)mm	450*250*330
Gross Weight(kg)	2.5

Aluminum/Ceramic Hot Plate

AH-120E　AH-170E　CH-190E　AH-400/600D　AH-400/600E

Features:

* E model is Electric type D model is Digital type
* PT100 sensor (AH-400D/600D)
* LCD display (AH-400D/AH-600D)
* Heating can proceed simultaneously
* Enclosed hot plate with flame protection, fast warm-up and durability

Technical Parameters:

Model	AH-120E	AH-170E	CH-190E	AH-400E/D	AH-600E/D
Plate Size	120*120mm	170*170mm	190*190mm	400*400mm	400*600mm
Max. Temperature	RT~380℃			RT~350℃	
Material(Hot plate)	Aluminum		Ceramic	Aluminum	
Power Supply	AC110/220V±10%, 50/60Hz			AC220V±10%,50/60Hz	
Consumption	180W	500W	600W	2000W	3000W
Package Size(W*D*H)mm	250*180*120	280*210*220	390*240*230	450*470*220	470*650*220
Gross Weight(kg)	3	3.4	6	9.8	14.2

Hot Plate

Application:

It applies in drying articles in chemical analysis, physical determination, heat treatment and other temperature experiments in laboratories of industrial mining enterprise, medicine and health, environmental protection, biochemistry and scientific research and college labs etc.

Electronic & Digital Hot Plate

Electronic Hot Plate(SSH-E Series)

Digital Hot Plate (SSH-D Series)

Features:

* PID controller
* Totally enclosed high quality stamping cold-rolled steel heating plate, with no open fire.
* SSH-E type, adopts electric temperature control, could adjust temperature.
  SSH-D type, with LCD display, easy to observe and control temperature.
* Control style: SSH-E electric type SSH-D digital type.

Technical Parameters:

Model	SSH-E400	SSH-E450	SSH-E600	SSH-D400	SSH-D450	SSH-D600
Plate Size	400*280mm	450*350mm	600*400mm	400*280mm	450*350mm	600*400mm
Range of Temperature	RT+20~380°C					
Material (Hot plate)	Cold-rolled steel with anti-bacteria powder coating					
Power Supply	AC220V,50/60HZ					
Consumption	1500W	2000W	3000W	1500W	2000W	3000W
Package Size(W*D*H)mm	420*340*230	460*400*230	620*460*230	420*340*230	460*400*230	620*460*230
Gross Weight(kg)	15	20	30	15	20	30

Several Rows Electronic Control Heating Mantles

Features:

* Corrosion-resisting and ageing-resistant
* The internal heater is in hemisphere shape with high efficiency.
* The external material is cold-rolled steel with anti-bacteria powder coating.
* It adopts high-temperature resistant alkali-free glass fiber with good isolation performance.

Technical Parameters:

Model	Rows	Capacity (ml)	Max. Use Temp.	Working Time	Consum-ption(W)	Power Supply	External Size (W*D*H) mm	Packing Size (W*D*H) mm	Net Weight	Gross Weight
HME-III	Two rows	100	380°C	Contin-uous	100*2	AC110/ 220V± 10%, 50/60Hz	280*290*150	375*385*245	4kg	7kg
		250			180*2		280*290*150	375*385*245	4kg	7kg
		500			250*2		320*320*150	415*415*245	5kg	8kg
		1000			300*2		390*355*150	485*450*2455	7kg	10kg
	Four rows	100			100*4		550*290*150	645*385*245	8kg	11kg
		250			180*4		550*290*150	645*385*245	8kg	11kg
		500			250*4		635*315*150	730*410*245	10kg	13kg
		1000			300*4		780*350*150	875*445*245	14kg	17kg
	Six rows	100			100*6		830*295*150	925*390*245	12kg	17kg
		250			180*6		830*295*150	975*440*245	13kg	18kg
		500			250*6		950*310*150	1045*405*245	14kg	19kg
		1000			300*6		1170*355*150	1670*450*245	20kg	23kg

Heating Mantle

Electronic & Digital Heating Mantles

Features:

* corrosion-resisting and ageing-resistant.
* The internal heater is in hemisphere shape with high efficiency.
* The external material is cold-rolled steel with anti-bacteria powder coating.
* It adopts high-temperature resistant alkali-free glass fiber with good isolation performance.

Technical Parameters:

Model	HME-I (Electronic Display) HMD-I(LED Display)										
Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000	50000
Max. Temp.	380℃										
Working Time	Continuous										
Consumption	150W	100W	150W	250W	300W	500W	600W	1000W	1500W	2500W	6000W
Power Supply	AC220/110V±10%, 50/60Hz										
Internal Size (mm)	Φ56*35	Φ70*40	Φ95*50	Φ150*50	Φ150*70	Φ180*80	Φ200*100	Φ245*150	Φ310*175	Φ380*190	Φ480*270
External Size (W*D*H)	200*215*150mm				240*260 *170mm	285*300 *200mm	355*300 *240mm	415*370 *270mm	480*430 *300mm	540*530 *280mm	665*450 *550mm
Packing Size (W*D*H)	260*265*237mm				250*70 *190mm	300*310 *210mm	300*310 *245mm	370*380 *285mm	500*440 *320mm	560*560 *290mm	775*775 *560mm
Net Weight	1.7kg	1.7kg	1.8kg	1.8kg	2.7kg	4kg	4.5kg	7kg	10kg	13kg	53kg
Gross Weight	2.5kg	3.5kg	2kg	2kg	4kg	5.5kg	6kg	9kg	13kg	15kg	68kg

Electronic & Digital Magnetic Stirring Heating Mantles

Features:

* The internal heater is in hemisphere shape with high efficiency.
* The external material is cold-rolled steel with anti-bacteria powder coating.
* Stepless speed adjustment, uniform temperature, easy to operate with effective use.
* It adopts high-temperature resistant alkali-free glass fiber with good isolation performance.
* Stable precise stirring to liquid solution is within a wider speed scope, especially in the experiments of samples with small volume.

Technical Parameters:

Model	HME-II(Electronic Display) HMD-II(LED Display)				
Capacity(ml)	100	250	500	1000	2000
Max Use Temp.	380°C				
Speed	0~1200rpm				
Working Time	Continuous				
Max Use Temp.	380°C				
Consumption	100W	180W	250W	300W	500W
Power Supply	AC220/110V±10%, 50/60Hz				
Internal Size(mm)	Φ70*50	Φ90*60	Φ105*65	Φ135*80	Φ175*95
External Size(W*D*H)	220*195*165mm	220*195*165mm	220*195*165mm	280*260*205mm	320*300*215mm
Packing Size(W*D*H)	295*290*255mm	290*285*250mm	295*290*255mm	350*345*305mm	385*380*340mm
Net Weight	3kg	3kg	4kg	4kg	5kg
Gross Weight	4kg	4kg	5kg	6kg	7kg

Pocket pH /℃/°F Tester

PH-40 PH-10S PH-20S PH-30S

PH-10L PH-20L PH-30L

Application:

* PH-10S, 20S, 30S: suitable for measuring the liquids.
* PH-10F, 20F, 30F: suitable for measuring the semisolid substances.
* PH-10L, 20L, 30L: suitable for measuring the smallvolume samples.
* PH-40 is suitable for connecting with the various pH electrodes.

PH-10 Features:

* 2 points push-button calibration with auto-buffer recognition.
* Hold function freezes current measured value for easy viewing and recording.
* Auto-Power Off helps user effectively conserve battery life.
* Replaceable electrode module reduces maintenance and replacement cost.

PH-20/30/40 Features:

* 1 to 3 points push-button calibration with auto-buffer recognition.
* Selectable pH buffer options (NIST or USA standard).
* Automatic Temperature Compensation ensures accurate measuring result.
* Auto-Hold function freezes stable reading for easy viewing and recording.
* Auto-Power Off helps user effectively conserve battery life.
* System menu allows setting the 5 parameters, including the pH buffer standard, number of calibration points, temperature unit, auto-power off, etc.
* Reset feature automatically resumes all settings back to factory default options.

Accessories:

pH buffer pouches (pH4.01/7.00/10.01), batteries, plastic box or carrying case.

Technical Parameters:

Model	PH-10S/F/L	PH-20S/F/L	PH-30S/F/L	PH-40
pH Range	0.0~14.0pH	-1.00~15.00pH		
pH Accuracy	±0.1pH	±0.01pH		
Calibration Points	2 points	1~3 points		
Calibration Solutions	USA (pH4.01/7.00/10.01)	USA (pH4.01/7.00/10.01)		
Temp. Compensation	/	0~60°C, Automatic		0~100°C, Manual
Hold Function	Manual	Manual or Automatic		
Connector	6-pin			BNC
Power Requirements	3×1.5V "G13A" batteries	2×1.5V "AAA" batteries		
Dimensions(L*D)	185*40mm			
Package Size(W*D*H)	325*124*270mm			
Net Weight	100g			
Gross Weight	1kg			

Portable pH/ORP Meter

PH220

PH221

PH320

Features:

* Stability indicator automatically shows current measurement status.
* Auto-Hold function freezes stable reading for easy viewing and recording.
* Automatic electrode diagnosis shows offset and electrode slope.
* Reset feature automatically resumes parameters back to factory default options.
* Help message as a operational guide that helps you quickly using the meter(for PH-220).
* Manual temperature calibration improves the measurement accuracy of meter(for PH-320).
* Selectable temperature unit (°C or °F) meets different application requirements(for PH-320).

pH Mode (For PH-221/320):

* 1 to 5 points push-button calibration with auto-buffer recognition.
* Automatic electrode slope display helps user decide whether to replace sensor.
* Automatic Temperature Compensation provides accurate measured values.
* Calibration Due Reminder prompts you to calibrate the meter regularly.

ORP Mode(For PH-221/320):

* 1 point offset calibration allows adjusting the displayed value to a known standard.
* Relative and absolute mV measurement modes provide accurate ORP readings.

Ion Concentration Mode(For PH-320):

* 2 to 5 points calibration providing the 8 concentration points can be selected.
* Automatically recognize ion electrodes, does not need to specify the type of ion.
* Direct ion concentration readout simplifies the elaborate measurement process.
* Selectable multiple concentration units include the ppm, mg/L and mol/L.

Accessories:

* PH electrode * Temperature probe * PH buffer solutions (pH4.01/7.00/10.01) * Carrying case

Technical Parameters:

Model	PH-220	PH-221	PH-320
pH Range	-2.00~16.00pH	-2.000~20.000pH	-2.000~20.000pH
pH Accuracy	±0.01pH	±0.002pH	±0.002pH
Resolution	0.01pH	0.1, 0.01, 0.001pH, Selectable	0.1, 0.01, 0.001pH, Selectable
Calibration Points	2 points	1~5 points	1~5 points
Calibration Solutions	USA (pH4.01/7.00/10.01)	USA (pH1.68/4.01/7.00/10.01/12.45), NIST(pH1.68/4.01/6.86/9.18/12.45), DIN(pH1.09/4.65/6.79/9.23/12.75) or User-defined	USA(pH1.68/4.01/7.00/10.01/12.45), NIST(pH1.68/4.01/6.86/9.18/12.45), DIN(pH1.09/4.65/6.79/9.23/12.75) or User-defined
Temp. Compensation	0~100°C, 32~212°F, Manual or Automatic	0~100°C, 32~212°F, Manual or Automatic	0~100°C, 32~212°F, Manual or Automatic
mV Range	-1999~1999mV	-1999.9~1999.9mV	-1999.9~1999.9mV
mV Accuracy	±1mV	±0.2mV	±0.2mV
Resolution	1mV	0.1, 1mV, Selectable	0.1, 1mV, Selectable
Calibration Points	/	1 point (Only for Relative mV mode)	1 point (Only for Relative mV mode)
Ion Concentration Range	/	/	0.001~19999ppm, mg/L, mol/L (Refer to the range of ISE)
Ion Concentration Accuracy	/	/	±0.5% F.S (Monovalent), ±1% F.S (Divalent)
Calibration Points	/	/	2~5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mg/L, mol/L)
Temp. Range	0~100°C, 32~212°F	0~105°C, 32~221°F	/
Temp. Accuracy	±1°C	±0.5°C, ±0.9°F	/
Resolution	0.1°C	/	/
Hold Function	Manual	/	/
Memory	Stores up to 50 data sets	Stores up to 500 data sets	Stores up to 500 data sets
Output	/	USB Communication Interface	USB Communication Interface
Connector	BNC		/
Power Requirements	1×9V/800mA battery	3×1.5V "AA" batteries or DC5V power adapter	3×1.5V "AA" batteries or DC5V power adapter
Dimensions(W*D*H)	185*88*32mm	170*85*30mm	
Package Size(W*D*H)	475*155*350mm		
Net Weight	300g		
Gross Weight	2kg		

Portable Ion Meter

PH321

Features:

* 2 to 5 points calibration from low to high concentrations.
* Direct ion concentration readout simplifies the elaborate measurement process.
* Selectable multiple concentration units include the ppm, mg/L and mol/L.
* mV measurement mode allows checking the performance of ion selective electrode.
* Automatic Temperature Compensation ensures accurate measured values.
* Calibration Due Reminder prompts user to calibrate the meter regularly.
* Stability indicator automatically shows current measurement status.
* Auto-Hold function freezes stable reading for easy viewing and recording.
* Selectable temperature unit (°C or °F) meets different application requirements.
* Automatic electrode diagnosis shows offset and electrode slope.
* Help message as a operational guide that helps you quickly begin using the meter.
* System menu allows setting the 8 parameters, including the ion valence, number of calibration points, stability condition, etc.
* Reset feature automatically resumes parameters back to factory default options.
* Expanded memory stores and recalls up to 500 readings.
* Built-in real-time clock stamps stored data to meet GLP standard.
* Stored data can be transferred into computer by USB communication interface.
* Automatic electrode diagnosis shows offset and electrode slope.
* Help message as a operational guide that helps you quickly begin using the meter.
* System menu allows setting the 8 parameters, including the ion valence, number of calibration points, stability condition, etc.
* Reset feature automatically resumes parameters back to factory default options.
* Expanded memory stores and recalls up to 500 readings.
* Built-in real-time clock stamps stored data to meet GLP standard.
* Stored data can be transferred into computer by USB communication interface.

Accessories:

Ion Selective Electrode (Chosen by the customer), temperature probe, batteries and carrying case.

Technical Parameters:

Model	PH-321
Ion Concentration Range	Refer to the range of ISE
Ion Concentration Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)
Resolution	0.001, 0.01, 0.1, 1
Calibration Points	2~5 points
Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mg/L, mol/L
Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic
mV Range	-1999.9~1999.9mV
mV Accuracy	±0.2mV
Resolution	0.1, 1mV, Selectable
Hold Function	Manual or Automatic
Stability Conditions	Low or High
Power Off	Manual or Automatic (10, 20, 30 minutes)
Memory	Stores up to 500 data sets
Output	USB Communication Interface
Connector	BNC
Power Requirements	3×1.5V "AA" batteries or DC5V power adapter
Dimensions	170*85*30mm
Net weight	300g
Package Size(W*D*H)mm	475*155*350mm
Gross weight(kg)	2kg

Benchtop pH Meter

PHS-25CW/3BW

PH-210

PHS-25CW/3BW Features:

* Economical benchtop pH meter is equipped with a white backlit LCD display.
* Automatic electrode slope display helps user decide whether to replace sensor.
* Automatic Temperature Compensation ensures accurate measuring result.
* 2 points push-button calibration with auto-buffer recognition.

PH-210 Features:

* Economical benchtop pH meter is equipped with a white backlit LCD display.
* Automatic electrode slope display helps user decide whether to replace sensor.
* Automatic Temperature Compensation ensures accurate measuring result.
* 2 points push-button calibration with auto-buffer recognition.
* Selectable temperature unit (°C or °F) meets different application requirements.
* Help message as a operational guide that helps you quickly begin using the meter.
* System menu allows setting the 5 parameters, including the pH buffer standard,number of calibration points, auto-power off, etc.
* Reset feature automatically resumes all settings back to factory default options.

Accessories:

* PH electrode
* Temperature probe (Only for PHS-3BW and PH-210 meter)
* PH buffer pouches (pH4.01/7.00/10.01)
* DC9V power adapter

Technical Parameters:

Model	PHS-25CW	PHS-3BW	PH-210
pH Range	0.00~14.00pH	0.00~14.00pH	-1.00~15.00pH
pH Accuracy	±0.05pH	±0.01pH	±0.01pH
Resolution	0.01pH	0.01pH	0.01pH
Calibration Points	2 points	2 points	1~3 points
Calibration Solutions	USA (pH4.01/7.00/10.01)	USA (pH4.01/7.00/10.01)	USA (pH4.01/7.00/10.01), NIST (pH4.01/6.86/9.18)
Temp. Compensation	0~100°C, Manual	0~100°C, Manual or Automatic	0~100°C, 32~212°F, Manual or Automatic
mV Range	-1999~1999mV	-1999~1999mV	-1000~1000mV
mV Accuracy	±10mV	±1mV	±1mV
Resolution	1mV	1mV	1mV
Temp. Range	/	0~100°C	0~105°C, 32~221°F
Temp. Accuracy	/	±1°C	±1°C
Resolution	/	1°C	0.1°C
Hold Function	/	/	Manual or Automatic
Connector	BNC		BNC
Display	LCD		LCD (135×75mm)
Power Requirements	DC9V/400mA power adapter		DC9V/400mA power adapter
Dimensions(W*D*H)	210*205*65mm		210*205*75mm
Package Size(W*D*H)	310*240*180mm		
Net Weight	1.5kg		
Gross Weight	1.7kg		

Benchtop pH/ORP/Ion Meter

PH-920

PH-930

PH-920 PH-930

pH Mode:

* 1 to 5 points push-button calibration with auto-buffer recognition.
* Selectable pH buffer options or using the custom calibration solutions.
* Automatic electrode slope display helps user decide whether to replace sensor.

ORP Mode:

* 1 point offset calibration allows adjusting the displayed value to a known standard.
* Relative and absolute mV measurement modes provide accurate ORP readings.

Ion Concentration Mode (For PH-930):

* 2 to 5 points calibration providing the 8 concentration points can be selected.
* Automatically recognize ion electrodes, does not need to specify the type of ion.
* Selectable multiple concentration units include the ppm, mg/L and mol/L.

Other Features:

* Auto-Hold function freezes stable reading for easy viewing and recording.
* Automatic electrode diagnosis shows offset and electrode slope.
* Expanded memory stores and recalls up to 500 readings.
* Built-in real-time clock stamps stored data to meet GLP standard.

Accessories:

* PH electrode
* Temperature probe
* PH buffer pouches (pH4.01/7.00/10.01)
* USB cable
* DC5V power adapter

Technical Parameters:

Model	PH-920	PH-930
pH Range	-2.000~20.000pH	
pH Accuracy	±0.002pH	
Resolution	0.1, 0.01, 0.001pH, Selectable	
Calibration Points	1~5 points	
Calibration Solutions	USA (pH1.68/4.01/7.00/10.01/12.45), NIST (pH1.68/4.01/6.86/9.18/12.45), DIN (pH1.09/4.65/6.79/9.23/12.75) or User-defined	
Temp. Compensation	0~100°C, 32~212°F, Manual or Automatic	
mV Range	-1999.9~1999.9mV	
mV Accuracy	±0.2mV	
Resolution	0.1, 1mV, Selectable	
Calibration Points	1 point (Only for Relative mV mode)	
Ion Concentration Range	/	0.001~19999ppm, mg/L, mol/L (Refer to the range of ISE)
Ion Concentration Accuracy	/	±0.5% F.S (Monovalent), ±1% F.S (Divalent)
Temp. Range	0~105°C, 32~221°F	
Temp. Accuracy	±0.5°C, ±0.9°F	
Calibration Points	/	2~5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mg/L, mol/L)
Memory	Stores up to 500 data sets	
Output	USB Communication Interface	
Connector	BNC	/
Power Requirements	DC5V/400mA power adapter	
Dimensions(W*D*H)	210*188*60mm	
Package Size(W*D*H)	310*240*180mm	
Net Weight	1.5kg	
Gross Weight	1.7kg	

Portable Conductivity/TDS/Salinity Meter

PH-520/530/531/540

Features:

* 1 to 5 points calibration with automatic calibration solution recognition.
* Selectable cell constant (0.1/1/10), normalization temperature.(20°C or 25°C)
* TDS conversion factor, seawater and practical salinity measurement modes.
* Linear or pure water compensation improves the measurement accuracy.
* Automatic Temperature Compensation ensures accurate reading.
* Calibration Due Reminder prompts user to calibrate the meter regularly.
* Stability indicator automatically shows current measurement status.
* Auto-Hold function freezes stable measured value for easy viewing and recording.
* Selectable temperature unit (°C or °F) meets different application requirements.
* Automatic electrode diagnosis shows cell constant of the conductivity electrode.
* Help message as a operational guide that helps you quickly begin using the meter.
* System menu allows setting the 11 parameters, including the temperature unit, number of calibration points, stability condition, etc.
* Reset feature automatically resumes parameters back to factory default options.
* Expanded memory stores and recalls up to 500 readings.
* Built-in real-time clock stamps stored data to meet GLP standard.
* Stored data can be transferred into computer by USB communication interface.

Accessories:

Conductivity electrode, temperature probe, conductivity standard solutions(84μS/cm, 1413μS/cm, 12.88mS/cm), batteries and carrying case.

Technical Parameters:

Model	PH-520	PH-530	PH-531	PH-540
Conductivity Range	0~20.00, 200.0, 2000μS/cm, 20.00, 200.0mS/cm			
Conductivity Accuracy	±0.5% F.S			
TDS Range	/	0~100ppt (Max. 200ppt, depending on factor setting)	/	0~100ppt (Max. 200ppt, depending on factor setting)
TDS Accuracy	/	±1% F.S	/	±1% F.S
Salinity Range	/		0~10ppt (Max. 80ppt)	
Salinity Accuracy	/		±1% F.S	
Resistivity Range	/			0~100MΩ
Resistivity Accuracy	/			±1% F.S
Calibration Points	1~3 points (Model 520A), 1~5 points (Model 530/531/540)			
Calibration Solutions	10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm			
Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic			
Temperature Coefficient	0.0~10.0%/°C			
Normalization Temperature	25°C (Model 520A), 20°C or 25°C (Model 530/531/540)			
Cell Constant	K=0.1, 1, 10 or User-defined			
Memory	Stores up to 500 data sets, USB Communication Interface			
Power Requirements	3×1.5V "AA" batteries or DC5V power adapter			
Dimensions	170*85*30mm			
Net weight	300g			
Package Size(W*D*H)mm	475*155*350mm			
Gross weight(kg)	2kg			

Benchtop Conductivity/TDS/Salinity/Resistivity Meter

Features:

* Multi-parameter conductivity meter contains the TDS, salinity and resistivity measurement modes.
* 1 to 5 points calibration with automatic calibration solution recognition.
* Selectable cell constant (0.1/1/10), normalization temperature (20°C or 25°C),
* TDS conversion factor, seawater and practical salinity measurement modes.
* Linear or pure water compensation improves the measurement accuracy.
* Automatic Temperature Compensation ensures accurate reading.
* Calibration Due Reminder prompts user to calibrate the meter regularly.
* Stability indicator automatically shows current measurement status.
* Auto-Hold function freezes stable measured value for easy viewing and recording.
* Selectable temperature unit (°C or °F) meets different application requirements.
* Automatic electrode diagnosis shows cell constant of the conductivity electrode.
* Help message as a operational guide that helps you quickly begin using the meter.
* System menu allows setting the 11 parameters, including the temperature unit, number of calibration points, stability condition, etc.
* Reset feature automatically resumes parameters back to factory default options.
* Expanded memory stores and recalls up to 500 readings.
* Built-in real-time clock stamps stored data to meet GLP standard.
* Stored data can be transferred into computer by USB communication interface.

Accessories:

* Conductivity electrode
* Temperature probe
* Conductivity Standard Solutions (84μS/cm, 1413μS/cm, 12.88mS/cm)
* USB cable
* DC5V power adapter

Technical Parameters:

Model	PH-950
Conductivity Range	0~20.00, 200.0, 2000μS/cm, 20.00, 200.0mS/cm
Conductivity Accuracy	±0.5% F.S
TDS Range	0~100ppt (Max. 200ppt, depending on factor setting)
TDS Accuracy	±1% F.S
Salinity Range	0~10ppt (Max. 80ppt)
Salinity Accuracy	±1% F.S
Resistivity Range	0~100MΩ
Resistivity Accuracy	±1% F.S
Calibration Points	1~5 points
Calibration Solutions	10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm
Temp. Compensation	0~100°C, 32~212°F, Manual or Automatic
Temp. Coefficient	0.0~10.0%/°C
Normalization Temp.	20°C or 25°C
Cell Constant	K=0.1, 1, 10 or User-defined
Memory	Stores up to 500 data sets, USB Communication Interface
Power Requirements	DC5V/400mA power adapter
Dimensions(W*D*H)	210*188*60mm
Package Size(W*D*H)	310*240*180mm
Net Weight	1.5kg
Gross Weight	1.7kg

Portable Dissolved Oxygen Meter

PH-820　　PH-821

Features:

* 1 or 2 points calibration using air-saturated water and zero oxygen solution.
* Manually salinity and barometric pressure compensation improve the accuracy of measurement.
* Automatic Temperature Compensation ensures accurate readings.
* Data Hold function freezes current reading for easy viewing and recording.
* Help message as a operational guide that helps you quickly using the meter.
* Built-in real-time clock stamps stored data to meet GLP standard.
* Expanded memory stores and recalls up to 48 readings.(Only for PH-820).

Other features for PH-821:

* Calibration Due Reminder prompts user to calibrate the meter regularly.
* Stability indicator automatically shows current measurement status.
* Selectable temperature unit (°C or °F) meets different application requirements.
* System menu allows setting the 9 parameters, including the number of calibration points, resolution, stability condition, concentration units, etc.
* Reset feature automatically resumes parameters back to factory default options.
* Expanded memory stores and recalls up to 500 readings.
* Stored data can be transferred into computer by USB communication interface.
* Multi-mode power scheme (battery, power adapter, USB port) ensures that use the meter smoothly.

Accessories:

Dissolved oxygen electrode, electrolyte solution, membrane cap, batteries and carrying case.

Technical Parameters:

Model	PH-820	PH-821
Dissolved Oxygen Range	0.0~20.0mg/L (or ppm)	0.00~20.00mg/L (or ppm)
Accuracy	±0.5mg/L	±0.2mg/L
Resolution	0.1mg/L	0.01mg/L
% Saturation of Oxygen	0.0~200.0%	0.0~200.0%
Accuracy	±10% F.S	±2.0% F.S
Resolution	0.1%	0.1, 1%
Calibration Points	1~2 points	1~2 points
Temperature Compensation	0~40°C, 32~104°F, Automatic	0~50°C, 32~122°F, Automatic
Barometric Pressure Correction	60.0~112.5kPa, 450~850mmHg	60.0~112.5kPa, 450~850mmHg
Salinity Correction	0~35g/L	0~50g/L
Hold Function	Manual	Manual or Automatic
Memory	Stores up to 48 data sets	Manual or Automatic (10, 20, 30 minutes)
Sensor Type	Polarographic Dissolved Oxygen Electrode	Stores up to 500 data sets
Connector	4-pin mini plug	USB Communication Interface
Power Requirements	1×9V/800mA battery	6-pin mini plug
Battery Life	Approximately 150 hours	3×1.5V "AA" batteries or DC5V power adapter
Dimensions(mm)	185*88*32mm	
Net weight(g)	300g	
Package Size(W*D*H)mm	475*155*350mm	
Gross weight(kg)	2kg	

Benchtop Dissolved Oxygen Meter

PH-810

PH-980

Features:

* Economy benchtop dissolved oxygen meter is suitable for laboratory applications.
* 1 or 2 points calibration using air-saturated water and zero oxygen solution.
* Manually salinity and barometric pressure compensation improve the accuracy of measurement.
* Automatic Temperature Compensation ensures accurate readings.
* Calibration Due Reminder prompts user to calibrate the meter regularly.
* Auto-Hold function freezes stable reading for easy viewing and recording.
* Help message as a operational guide that helps you quickly begin using the meter.
* Reset feature automatically resumes all settings back to factory default options.
* Stability indicator automatically shows current measurement status.(For PH-980)
* Selectable temperature unit (°C or °F) meets different application requirements.(For PH-980)
* System menu allows setting the 9 parameters, including the number of calibration points, resolution, stability condition, concentration units, etc.(For PH-980)
* Expanded memory stores and recalls up to 500 readings.(For PH-980)
* Built-in real-time clock stamps stored data to meet GLP standard.(For PH-980)
* Stored data can be transferred into computer by USB communication interface.(For PH-980)

Accessories:

PH-810
* Dissolved oxygen electrode
* Electrolyte solution
* Membrane cap
* DC9V power adapter

PH-980
* Dissolved oxygen electrode
* Electrolyte solution
* Membrane cap
* USB cable
* DC5V power adapter

Technical Parameters:

Model	PH-810	PH-980
Dissolved Oxygen Range	0.0~20.0mg/L (or ppm)	0.00~20.00mg/L (or ppm)
Accuracy	±0.5mg/L	±0.2mg/L
Resolution	0.1mg/L	0.01mg/L
% Saturation of Oxygen	0.0~200.0%	0.0~200.0%
Accuracy	±10%	±2.0% F.S
Resolution	0.1%	0.1, 1%
Calibration Points	1~2 points	1~2 points
Temp. Compensation	0~40°C, 32~104°F, Automatic	0~50°C, 32~122°F, Automatic
Barometric Pressure Correction	60.0~112.5kPa, 450~850mmHg	60.0~112.5kPa, 450~850mmHg
Salinity Correction	0~35g/L	0~50g/L
Hold Function	Manual or Automatic	Manual or Automatic
Power Off	Manual or Automatic (180 minutes)	Manual or Automatic (10, 20, 30 minutes)
Memory	/	Stores up to 500 data sets
Reset Function	Yes	/
Output	/	USB Communication Interface
Connector	6-pin mini plug	6-pin mini plug
Display	LCD (135×75mm)	/
Power Requirements	DC9V/400mA power adapter	DC5V/400mA power adapter
Dimensions(W*D*H)	210*205*75mm	210*188*60mm
Package Size(W*D*H)	310*240*180mm	
Net Weight	1.5kg	
Gross Weight	1.7kg	

Portable Water Hardness Meter

PH322

Features:

* 2 to 5 points calibration from low to high concentrations.
* Selectable water hardness units, including the mmol/L, mg/L (CaCO3), mg/L (CaO), mmol/L (Boiler), mg/L (Ca), French degree, German degree and English degree.
* Automatic Temperature Compensation ensures accurate reading over the entire range.
* Calibration Due Reminder prompts user to calibrate the meter regularly.
* Stability indicator automatically shows current measurement status.
* Auto-Hold function freezes stable reading for easy viewing and recording.
* Help message as a operational guide that helps you quickly begin using the meter.
* System menu allows setting the 7 parameters, including the number of calibration points, stability condition, auto-power off, etc.
* Reset feature automatically resumes parameters back to factory default options.
* Expanded memory stores and recalls up to 500 readings.
* Built-in real-time clock stamps stored data to meet GLP standard.
* Stored data can be transferred into computer by USB communication interface.
* Multi-mode power scheme (battery, power adapter, USB port) ensures that use the meter smoothly.

Accessories:

Water hardness electrode, temperature probe, batteries and carrying case.

Technical Parameters:

Model	PH-322
Water Hardness Range	0.05mmol/L~0.2mol/L, 0~19999mg/L (CaCO), 0~11220mg/L (CaO),
	0~400mmol/L (Boiler), 0~8020mg/L (Ca)
	0~1122°dH (German Degree), 0~2000°f (French Degree), 0~1404°e (English Degree)
Accuracy	±1% F.S
Calibration Points	2~5 points
Calibration Solutions	0.001, 0.01, 0.1mmol/L, mol/L
Temperature Compensation	0~50°C, 32~122°F, Manual or Automatic
mV Range	-1999.9~1999.9mV
mV Accuracy	±0.2mV
Resolution	0.1, 1mV, Selectable
Hold Function	Manual or Automatic
Stability Conditions	Low or High
Power Off	Manual or Automatic (10, 20, 30 minutes)
Memory	Stores up to 500 data sets
Output	USB Communication Interface
Connector	BNC
Power Requirements	3×1.5V "AA" batteries or DC5V power adapter
Dimensions	170*85*30mm
Net weight	300g
Package Size(W*D*H)mm	475*155*350mm
Gross weight(kg)	2kg

Benchtop Water Hardness Meter

PH-932

Features:

* Professional benchtop water hardness meter is comes with an electrode from UK.
* 2 to 5 points calibration from low to high concentrations.
* Selectable water hardness units, including the mmol/L, mg/L (CaCO3), mg/L (CaO), mmol/L (Boiler), mg/L (Ca), French degree, German degree and English degree.
* Automatic Temperature Compensation ensures accurate reading over the entire range.
* Calibration Due Reminder prompts user to calibrate the meter regularly.
* Stability indicator automatically shows current measurement status.
* Auto-Hold function freezes stable reading for easy viewing and recording.
* Help message as a operational guide that helps you quickly begin using the meter.
* System menu allows setting the 7 parameters, including the number of calibration points, stability condition, concentration unit, etc.
* Reset feature automatically resumes parameters back to factory default options.
* Expanded memory stores and recalls up to 500 readings.
* Built-in real-time clock stamps stored data to meet GLP standard.
* Stored data can be transferred into computer by USB communication interface.

Accessories:

* Water hardness electrode
* Temperature probe
* USB cable
* DC5V power adapter

Technical Parameters:

Model	PH-932
Water Hardness Range	0.05mmol/L~0.2mol/L, 0~19999mg/L (CaCO), 0~11220mg/L (CaO), 0~400mmol/L (Boiler), 0~8020mg/L (Ca), 0~1122°dH (German Degree), 0~2000°f (French Degree), 0~1404°e (English Degree)
Accuracy	±1% F.S
Calibration Points	2~5 points
Calibration Solutions	0.001, 0.01, 0.1mmol/L, mol/L
Temp. Compensation	0~50°C, 32~122°F, Manual or Automatic
mV Range	-1999.9~1999.9mV
mV Accuracy	±0.2mV
Resolution	0.1, 1mV, Selectable
Hold Function	Manual or Automatic
Stability Conditions	Low or High
Power Off	Manual or Automatic (10, 20, 30 minutes)
Memory	Stores up to 500 data sets
Output	USB Communication Interface
Connector	BNC
Power Requirements	DC5V/400mA power adapter
Dimensions(W*D*H)	210*188*60mm
Package Size(W*D*H)	310*240*180mm
Net Weight	1.5kg
Gross Weight	1.7kg

Portable Multiparameter Water Quality Meter

PH-900P

Measurement Modes:

PH-900P multi-parameter portable meters are capable of measuring up to 9 water quality parameters. Each meter include the different measurement modes. Test items: pH, ORP, Ion, Conductivity, TDS, Salinity, Resistivity and Dissolved Oxygen.

Features:

PH Mode:
* 1 to 5 points push-button calibration with auto-buffer recognition.
* Selectable pH buffer standard (USA / NIST / DIN) or using the custom calibration solutions.
* Automatic electrode slope display helps user decide whether to replace sensor.

ORP Mode:
* 1 point offset calibration allows adjusting the displayed value to known standard.
* Relative and absolute mV measurements provide the accurate ORP readings.

Ion Concentration Mode:
* 2 to 5 points calibration including the eight concentration points can be selected.
* MV measurement mode can be used for checking the performance of current ion selective electrode.
* Automatically recognize ion electrodes, does not need to specify the type of ion.
* Direct ion concentration readout simplifies the elaborate measurement process.
* Selectable concentration unit including the ppm, mg/L, mol/L, mmol/L for different applications.

Conductivity/TDS/Salinity/Resistivity Mode:
* 1 to 5 points calibration with automatic calibration solution recognition.
* Selectable cell constant (0.1/1/10), normalization temperature (20°C or 25°C),TDS conversion factor, seawater and practical salinity measurement modes.
* Linear or pure water compensation improves the measurement accuracy.

Dissolved Oxygen Mode:
* 1 or 2 points calibration using the air-saturated water and zero oxygen solution.
* Manual salinity and barometric pressure compensation ensure accurate readings.

Other Features:
* Automatic Temperature Compensation provides accurate measured values over the entire range.
* Calibration Due Reminder prompts user to calibrate the meter regularly.
* Stability indicator automatically shows current measurement status.
* Auto-Hold function freezes stable reading for easy viewing and recording.
* Manual temperature calibration corrects the temperature deviation.
* Selectable temperature unit (°C or °F) meets different application requirements.
* Automatic electrode diagnosis shows zero point offset and electrode slope.
* Help message as a operational guide that helps user quickly using the meter.
* System menu allows setting the 15 parameters, including the resolution, number of calibration points, stability condition, measurement unit, etc.
* Reset feature automatically resumes all settings back to factory default options.
* Expanded memory stores and recalls up to 500 readings.
* Built-in real-time clock stamps stored data to meet GLP standard.
* Stored data can be transferred into computer by USB communication interface.
* Multi-mode power scheme (battery, power adapter, USB port) ensures that use the meter smoothly.

Accessories:

* pH, conductivity and dissolved oxygen electrodes.
* Temperature probe.
* Calibration solutions.
* Batteries.
* Carrying case.

Technical Parameters:

Model		PH-900P
PH	Range	-2.000~20.000pH
	Accuracy	±0.002pH
	Calibration Points	1~5 points
	Calibration Solutions	USA, NIST, DIN or User-defined
ORP	Range	-1999.9~1999.9mV
	Accuracy	±0.2mV
	Calibration Points	1 point
	Measurement Modes	mV and Relative mV
Ion	Range	0~19999ppm, mg/L, mol/L (Depending on range of ISE)
	Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)
	Calibration Points	2~5 points
	Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mol/L, mg/L
Conductivity	Range	0~20.00, 200.0, 2000μS/cm, 20.00, 200.0mS/cm
	Accuracy	±0.5% F.S
	Calibration Points	1~5 points
	Calibration Solutions	10μS/cm, 84μS/cm,1413μS/cm,12.88mS/cm,111.8mS/cm
	Temperature Coefficient	0.0~10.0%/°C
	Compensation Modes	Linear or Pure Water
	Cell Constant	K=0.1, 1, 10 or User-defined
	Normalization Temperature	20°C or 25°C
TDS	Range	0~100ppt (Max. 200ppt, depending on factor setting)
	Accuracy	±1% F.S
	TDS Factor	0.1~1.0 (Default 0.5)
Salinity	Range	0~10ppt (Max. 80ppt)
	Accuracy	±1% F.S
	Measurement Modes	Seawater or Practical Salinity
Resistivity	Range	0~100MΩ
	Accuracy	±1% F.S
	Resolution	0.01, 0.1, 1
Dissolved Oxygen	Concentration Range	0.00~20.00mg/L (or ppm)
	Accuracy	±0.2mg/L
	Calibration Points	1~2 points
	Pressure Correction	60.0~112.5kPa, 450~850mmHg
	Salinity Correction	0~50g/L
	% Saturation of Oxygen	0.0~200.0%
	Accuracy	±2.0%
Others	Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic
	Stability Conditions	Low or High
	Calibration Due	0 to 31 days
	Memory	Stores up to 500 data sets
	Output	USB Communication Interface
	Power Requirements	3×1.5V "AA" batteries or DC5V power adapter
	Dimensions(mm)	185*88*32mm
	Net weight(g)	300g
	Package Size(W*D*H)mm	475*155*350mm
	Gross weight(kg)	2kg

Benchtop Multiparameter Water Quality Meter

PH-900

Measurement Modes:

PH, ORP, Ion, Conductivity, TDS, Salinity, Resistivity and Dissolved Oxygen.

Features:

PH Mode:
* 1 to 5 points push-button calibration with auto-buffer recognition.
* Selectable pH buffer standard (USA / NIST / DIN) or using the custom calibration solutions.
* Automatic electrode slope display helps user decide whether to replace sensor.

ORP Mode:
* 1 point offset calibration allows adjusting the displayed value to known standard.
* Relative and absolute mV measurements provide the accurate ORP readings.

Ion Concentration Mode:
* 2 to 5 points calibration including the eight concentration points can be selected.
* mV measurement mode can be used for checking the performance of current ion selective electrode.
* Automatically recognize ion electrodes, does not need to specify the type of ion.
* Direct ion concentration readout simplifies the elaborate measurement process.
* Selectable concentration unit including the ppm, mg/L, mol/L, mmol/L for different Applications.

Conductivity/TDS/Salinity/Resistivity Mode:
* 1 to 5 points calibration with automatic calibration solution recognition.
* Selectable cell constant (0.1/1/10), normalization temperature (20°C or 25°C)
* TDS conversion factor, seawater and practical salinity measurement modes.
* Linear or pure water compensation improves the measurement accuracy.

Dissolved Oxygen Mode:
* 1 or 2 points calibration using the air-saturated water and zero oxygen solution.
* Manual salinity and barometric pressure compensation ensure accurate readings.

Other Features:
* Automatic Temperature Compensation provides accurate measured values over the entire range.
* Calibration Due Reminder prompts user to calibrate the meter regularly.
* Stability indicator automatically shows current measurement status.
* Auto-Hold function freezes stable reading for easy viewing and recording.
* Manual temperature calibration corrects the temperature deviation.
* Selectable temperature unit (°C or °F) meets different application requirements.
* Automatic electrode diagnosis shows zero point offset and electrode slope.
* Help message as a operational guide that helps user quickly using the meter.
* System menu allows setting the 15 parameters, including the resolution, number of calibration points, stability condition, measurement unit, etc.
* Reset feature automatically resumes all settings back to factory default options.
* Expanded memory stores and recalls up to 500 readings.
* Built-in real-time clock stamps stored data to meet GLP standard.
* Stored data can be transferred into computer by USB communication interface.

Accessories:

* PH, conductivity and dissolved oxygen electrodes.
* Temperature probe.
* Calibration solutions.
* USB cable.
* DC5V power adapter.

Technical Parameters:

Model		PH-900
PH	Range	-2.000~20.000pH
	Accuracy	±0.002pH
	Calibration Points	1~5 points
	Calibration Solutions	USA, NIST, DIN or User-defined
ORP	Range	-1999.9~1999.9mV
	Accuracy	±0.2mV
	Calibration Points	1 point
	Measurement Modes	mV and Relative mV
Ion	Range	0~19999ppm, mg/L, mol/L (Depending on range of ISE)
	Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)
	Calibration Points	2~5 points
	Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mol/L, mg/L
Conductivity	Range	0~20.00, 200.0, 2000μS/cm, 20.00, 200.0mS/cm
	Accuracy	±0.5% F.S
	Calibration Points	1~5 points
	Calibration Solutions	10μS/cm, 84μS/cm,1413μS/cm,12.88mS/cm,111.8mS/cm
	Temperature Coefficient	0.0~10.0%/°C
	Compensation Modes	Linear or Pure Water
	Cell Constant	K=0.1, 1, 10 or User-defined
	Normalization Temperature	20°C or 25°C
TDS	Range	0~10ppt (Max. 80ppt)
	Accuracy	±1% F.S
	TDS Factor	0.1~1.0 (Default 0.5)
Salinity	Range	0~10ppt (Max. 80ppt)
	Accuracy	±1% F.S
	Measurement Modes	Seawater or Practical Salinity
Resistivity	Range	0~100MΩ
	Accuracy	±1% F.S
	Resolution	0.01, 0.1, 1
Dissolved Oxygen	Concentration Range	0.00~20.00mg/L (or ppm)
	Accuracy	±0.2mg/L
	Calibration Points	1~2 points
	Pressure Correction	60.0~112.5kPa, 450~850mmHg
	Salinity Correction	0~50g/L
	% Saturation of Oxygen	0.0~200.0%
	Accuracy	±2.0%
Others	Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic
	Stability Conditions	Low or High
	Calibration Due	0 to 31 days
	Memory	Stores up to 500 data sets
	Output	USB Communication Interface
	Power Requirements	DC5V/400mA power adapter
	Dimensions(mm)	210*188*60mm
	Net weight(g)	300g
	Package Size(W*D*H)mm	310*240*180mm
	Gross weight(kg)	1.7kg

Spectrophotometer

UV/VIS Spectrophotometer

Basic Functions:

Model	Optical System	Wavelength Range	Bandwidth	Photo-metry	QTY	MULT	KINS	Scanning	Bio
BK-V1000	Single Beam	325-1020nm	4nm	•					
BK-UV1000	Single Beam	200-1020nm	4nm	•					
BK-V1200	Single Beam	325-1020nm	4nm	•	•				
BK-UV1200	Single Beam	200-1020nm	4nm	•	•				
BK-V1600	Single Beam	320-1100nm	4nm	•	•	•	•		
BK-UV1600	Single Beam	190-1100nm	4nm	•	•	•	•		
BK-V1800	Single Beam	320-1100nm	2nm	•	•	•	•		
BK-UV1800	Single Beam	190-1100nm	2nm	•	•	•	•		
BK-V1900	Single Beam	190-1100nm	2nm	•	•	•	•	•	•
BK-UV1900	Single Beam	190-1100nm	2nm	•	•	•	•	•	•
BK-S360	Single Beam	190-1100nm	1.8nm	•	•	•	•	•	•
BK-S380	Single Beam	190-1100nm	1nm	•	•	•	•	•	•
BK-S390	Single Beam	190-1100nm	0.5, 1, 2, 4,5nm	•	•	•	•	•	•
BK-D560	Double Beam	190-1100nm	1.8nm	•	•	•	•	•	•
BK-D580	Double Beam	190-1100nm	1nm	•	•	•	•	•	•
BK-D590	Double Beam	190-1100nm	0.5, 1, 2,4, 5nm	•	•	•	•	•	•

UV/VIS Spectrophotometer

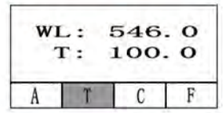
Features:

* Large LCD screen (128*64 Dots).
* Pre-aligned design ensures the user can change lamps conveniently.
* With SiO_2 coating optical mirror, reducing the pollution from outside fully.
* Environmental Deuterium lamp, preventing from Ozone inhalation.
* High-class grating, wholly hermetic light path design, ensures the super low stray light.
* Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system.
* Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically.
* Optional PC Software to expand the applications to Quantitative, Multi-Wavelength and Kinetics.
* Widely used for Organic chemistry, Inorganic chemistry, Life sciences, food, Medicine and health, Agriculture, Geology, Metallurgy and Environment etc. fields.

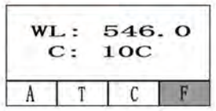
Basic Fuctions:

* **Photometry**
  Test Abs, Transmittance by fixed wavelength.
* **Quantitative**
  a. C Mode: EstablishC=K*A curve, test sample concentration.
  b. F Mode: Establish A=K1*C+K0, test sample concentration.
  c. Display and save curve, test data (BK-V1200).

Photometry Mode



Con. Test C=K*A+B



Technical Parameters:

Model	BK-UV1000	BK-V1000	BK-UV1200	BK-V1200
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	200~1020nm	325~1000nm	200~1020nm	320~1020nm
Spectral Bandwidth	4nm			
Wavelength Accuracy	±2nm			
Wavelength Repeatability	1nm		0.8nm	
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.5% T (0~100% T)			
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2% T (0~100% T)			
Stray Light	≤ 0.2 % T @ 360nm; 220nm		≤ 0.2% T @ 360nm; 220nm	
Stability	± 0.004A/h@500nm	±0.002A/h@500nm		
Noise	±0.001A			
Display	128*64 Dots LCD			
Photometric Mode	T, A, C, E			
Photometric Range	0~200%T, -0.301~3.0A			
Detector	Silicon Photodiode			
Light Source	Deuterium Lamp, Tungsten Lamp			
Input	Membrane Keypad			
Standard Accesseries	10mm glass cuvette*4 units 10mm quartz cuvette*2 units	10mm glass uvette*4 units	10mm glass cuvette*4 units 10mm quartz cuvette*2 units	10mm glass cuvette*4 units
Optional Accessories	4-place Cell holder, Printer, Test tube holder, Deuterium lamp, Halogen lamp			
Power Supply	110/220V±10%, 60/50Hz			
Package Size(W*D*H) mm	560*430*320	560*430*320	560*430*320	560*430*320
Gross Weight(kg)	12	11.5	12	11.5

UV/VIS Spectrophotometer

Features:

* With Si02 coating optical mirror, reducing the pollution from outside fully
* Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
* With GLP self-check function, check the wavelength accuracy and Photometry accuracy
* PC Software to expand the applications to Quantitative, Multi-Wavelength and Kinetics, Spectrum Scanning, DNA/Protein test for PC Series

Basic Functions:

* **Photometry**
  Test Abs., Transmittance and Energy by fixed wavelength.
* **Kinetics**
  Used for time course scanning or reaction ratecalculations △A/t, can search all data.
* **Multi-Wavelength**
  Can test Transmittance and Abs. with 8 different wavelengths at most
* **Quantitative**
  Linear fit and Linear fit through zero two modes
  a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
  b. Establish A=K1*C+K0, can search original data, graph curve, parameters settings
  c. Can save 240 group curves, can test 240 data in each curve.
  d. Double wavelength, Triple wavelength test functions.

Technical Parameters:

Model	BK-UV1800 BK-UV1800PC	BK-UV1600 BK-UV1600PC	BK-V1800 BK-V1800PC	BK-V1600 BK-V1600PC
Optical System	Single Beam, Grating 1200 lines/mm			
Wavelength Range	190~1100nm		320~1100nm	
Spectral Bandwidth	2nm	4nm	2nm	4nm
Wavelength Accuracy	±0.5nm			
Wavelength Repeatability	≤0.3nm			
Photometric Accuracy	±0.002A (0~0.5Abs), 0.004A (0.5~1.0Abs), ± 0.5% T (0~100% T)			
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2% T (0~100% T)			
Stray Light	≤ 0.05% T @ 360nm; 220nm		≤ 0.05% T @ 360nm; 220nm	
Stability	±0.001A/h @ 500nm			
Baseline Flatness	±0.002A			
Noise	±0.0005A			
Display	480*272 65 thousand true color TFT LCD			
Photometric Mode	T, A, C, E			
Photometric Range	0~200% T, -0.301~3.0A			
Detector	Silicon Photodiode			
Light Source	Deuterium Lamp, Tungsten Lamp			
Input	Membrane Keypad			
Output	USB Print and data output, Connect PC			
Standard Accesseries	10mm glass cuvette*4 units 10mm quartz cuvette*2 units		10mm glass cuvette*4 units	
Optional Accessories	Single cell holder, General cell holder, Test tube holder, Solid sample holder, Deuterium lamp, Halogen lamp, 4-place Cell holder, Printer, Water-jacketed cell holder, Reflection accessory 5°, Auto 8-cell changer, Micro cell holder, Water-jacketed cell holder, Constant-temperature system		4-place Cell holder, Printer, Test tube holder, Deuterium lamp, Halogen lamp	
Power Supply	AC110/220V±10%, 60/50Hz			
Package Size(W*D*H)mm	620*500*370	620*500*370	620*500*370	620*500*370
Gross Weight(kg)	18	18	16.5	16.5

Scanning UV/VIS Spectrophotometer

Features:

* With Si02 coating optical mirror, reducing the pollution from outside fully
* Adopted high-class grating with wholly hermetic light path design, to ensure the instrument has the super low stray light
* With GLP self-check function, check the wavelength accuracy and Photometry accuracy
* Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp with advanced system
* Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically

Basic Functions:

* **Photometry**
  Test Abs., Transmittance and Energy by fixed wavelength.
* **Quantitative**
  Linear fit and Linear fit through zero two modes
  a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
  b. Establish A=K1*C+K0, can search original data, graph curve, parameters settings.
  c. Can save 240 group curves, can test 240 data in each curve.
  d. Double wavelength, Triple wavelength test functions.
* **Kinetics**
  Used for time course scanning or reaction rate calculations △A/t, can search all data.
* **Multi-Wavelength**
  Can test Transmittance and Abs. with 8 different wavelengths at most.
* **Scanning**
  User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
* **Biology**
  6 methods: DNA/Protein, UV, Lowry, BCA, CBB and Biuret.

Technical Parameters:

Model	BK-UV1900 BK-UV1900PC	BK-V1900 BK-V1900PC
Optical System	Single Beam, Grating 1200 lines/mm	
Wavelength Range	190~1100nm	320~1100nm
Spectral Bandwidth	2nm	
Wavelength Accuracy	±0.5nm	
Wavelength Repeatability	≤0.3nm	
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.5% T (0~100% T)	
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2% T (0~100% T)	
Stray Light	≤ 0.05% T @ 360nm; 220nm	
Stability	± 0.0008A / h @ 500nm	
Baseline Flatness	±0.002A	
Noise	0.0005Abs @ 500nm	
Display	480*272 65 thousand true color TFT LCD	
Photometric Mode	T, A, C, E	
Photometric Range	0~200% T, -0.301~3.0A	
Detector	Silicon Photodiode	
Light Source	Deuterium Lamp, Tungsten Lamp	
Input	Membrane Keypad	
Output	USB Print and data output, Connect PC	
Standard Accesseries	10mm glass cuvette*4 units 10mm quartz cuvette*2 units	10mm glass cuvette*4 units
Optional Accessories	Single cell holder, General cell holder, Test tube holder, Solid sample holder, Deuterium lamp, Halogen lamp, 4-place Cell holder, Printer, Water-jacketedcell holder, Reflection accessory 5°, Auto 8-cell changer, Micro cell holder, Water-jacketed cell holder, Constant-temperature system	
Power Supply	AC110V/220±10%, 60/50Hz	
Package Size(W*D*H)mm	620*500*370	620*500*370
Gross Weight(kg)	18	16.5

Scanning UV/VIS Spectrophotometer

Features:

* Environmental Deuterium lamp, preventing from Ozone inhalation
* Socket-Type Deuterium lamp and Tungsten lamp
* SiO_2 coating optical mirror, reduces the influence from outside
* GLP self-check function:check the wavelength accuracy and Photometry accuracy, provide test report and power-off protection
* Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically

Basic Functions:

* **Photometry**
  Test Abs., Transmittance and Energy by fixed wavelength.
* **Quantitative**
  Linear fit and Linear fit through zero two modes
  a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
  b. Establish A=K1*C+K0, can search original data, graph curve, parameters settings.
  c. Can save 240 group curves, can test 240 data in each curve.
  d. Double wavelength, Triple wavelength test functions.
* **Kinetics**
  Used for time course scanning or reaction rate calculations△A/t, can search all data.
* **Multi-Wavelength**
  Can test Transmittance and Abs. with 8 different wavelengths at most.
* **Scanning**
  User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
* **Biology**
  DNA/Protein, (Optional: UV, Lowry, BCA, CBB and Biuret)

Technical Parameters:

Model	BK-S360	BK-S380	BK-S390
Optical System	Single Beam, Grating 1200 lines/mm		
Wavelength Range	190~1100nm		
Spectral Bandwidth	1.8nm	1nm	0.5, 1, 2, 4, 5nm
Wavelength Accuracy	±0.3nm		
Wavelength Repeatability	≤0.2nm		
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.3% T (0~100% T)		
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.1% T (0~100% T)		
Stray Light	≤0.04% T @ 360nm; 220nm		
Stability	±0.001A/h @ 500nm		
Baseline Flatness	±0.0015A		
Noise	±0.0004Abs		
Display	65 thousand true color 7 inch TFT LCD (480*800)		
Photometric Mode	T, A, C, E		
Photometric Range	0~200% T, -0.301~3.0A		
Detector	Silicon Photodiode		
Light Source	Deuterium Lamp, Tungsten Lamp		
Input	Membrane Keypad		
Output	USB Print and data output, Connect PC		
Standard Accesseries	10mm glass cuvette *4 units 10mm quartz cuvette *2 units,software		
Optional Accessories	Single cell holder, General cell holder, Test tube holder, Solid sample holder, Deuterium lamp, Halogen lamp, 4-place Cell holder, Printer, Water-jacketedcell holder, Reflection accessory 5°, Auto 8-cell changer, Micro cell holder, Water-jacketed cell holder, Constant-temperature system		
Power Supply	AC110V/220±10%, 60/50Hz		
Package Size(W*D*H) mm	740*570*440		
Gross Weight(kg)	25		

Double Beam Scanning UV/VIS Spectrophotometer

Features:

* Environmental Deuterium lamp, preventing from Ozone inhalation
* Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp
* Socket-Type Deuterium lamp and Tungsten lamp
* GLP self-check function:check the wavelength accuracy and Photometry accuracy, provide test report and power-off protection
* Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
* SiO_2 coating optical mirror, reduces the influence from outside

Basic Functions:

* **Photometry**
  Test Abs., Transmittance and Energy by fixed wavelength.
* **Quantitative**
  Linear fit and Linear fit through zero two modes
  a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
  b. Establish A=K1*C+K0, can search original data, graph curve, parameters setting
  c. Can save 240 group curves, can test 240 data in each curve.
  d. Double wavelength, Triple wavelength test functions.
* **Kinetics**
  Used for time course scanning or reaction rate calculations△A/t, can search all data.
* **Multi-Wavelength**
  Can test Transmittance and Abs. with 8 different wavelengths at most.
* **Scanning**
  User can set the scan range from 190nm to to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
* **Biology**
  6 methods: DNA/Protein, UV, Lowry, BCA, CBB and Biuret.

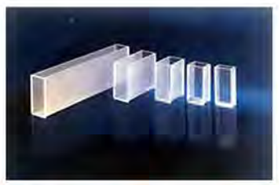
Technical Parameters:

Model	BK-D560	BK-D580	BK-D590
Optical System	Double Beam, Grating 1200 lines/mm		
Wavelength Range	190~1100nm		
Spectral Bandwidth	1.8nm	1nm	0.5, 1, 2, 4, 5nm
Wavelength Accuracy	±0.3nm		
Wavelength Repeatability	≤0.2nm		
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.3% T (0~100% T)		
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2% T (0~100% T)		
Stray Light	≤0.04 T @ 360nm; 220nm		
Stability	±0.0003A/h @ 500nm		
Baseline Flatness	±0.0005A		
Noise	±0.0002Abs		
Display	65 thousand true color 7 inch TFT LCD(480 *800)		
Photometric Mode	T, A, C, E		
Photometric Range	0~200% T, -0.301~3.0A		
Detector	Silicon Photodiode		
Light Source	Deuterium Lamp, Tungsten Lamp		
Input	Membrane Keypad		
Output	USB Print and data output, Connect PC		
Standard Accessories	10mm glass cuvette *4 units 10mm quartz cuvette *2 units,software		
Optional Accessories	Single cell holder, General cell holder, Test tube holder, Solid sample holder, Deuterium lamp, Halogen lamp, 4-place Cell holder, Printer, Water-jacketedcell holder, Reflection accessory 5°, Auto 8-cell changer, Micro cell holder, Water-jacketed cell holder, Constant-temperature system		
Power Supply	AC110V/220±10%, 60/50Hz		
Package Size(W*D*H) mm	740*570*440		
Gross Weight(kg)	25		

UV/VIS Spectrophotometer Accessories

Single cell holder	General cell holder	5-100mm cuvette	100-500ul micro cuvette
Test tube holder	Solid sample holder	Deuterium lamp	Halogen lamp
4-place Cell holder	Printer	Water-jacketed cell holder	Reflection accessory 5°
Auto 8-cell changer	Micro cell holder	Water-jacketed cell holder	Constant-temperature system

Standard Type Quartz Cuvette



Quartz cuvette 200/2700nm

SS/Q(With Stopper)

S/Q (With LID)

Features:

* Two polished windows, two walls, and an open top.
* The walls and bottom are polished inside and frosted outside.
* Thickness of windows and the base is 1.25mm.
* Teflon or glass lid and stopper.

Technical Parameters:

Type	Path Length(mm)	External Size(W*D*H)mm	Volume(ml)	NO. of LID	NO. of Stoppers
S/Q/I	1	12.5*3.5*45	0.4	1	/
S/Q/2	2	12.5*4.5*45	0.7	1	/
S/Q/5	5	12.5*7.5*45	1.7	1	/
S/Q/10	10	12.5*12.5*45	3.5	1	/
S/Q/20	20	12.5*22.5*45	7.0	1	/
S/Q/40	40	12.5*42.5*45	14.0	1	/
S/Q/50	50	12.5*52.5*45	17.5	1	/
S/Q/100	100	12.5*102.5*45	35.0	1	/
SS/Q/I	1	12.5*3.5*48	0.4	/	1
SS/Q/2	2	12.5*4.5*48	0.7	/	1
SS/Q/5	5	12.5*7.5*48	1.7	/	1
SS/Q/10	10	12.5*12.5*48	3.5	/	1
SS/Q/20	20	12.5*22.5*48	7.0	/	1
SS/Q/40	40	12.5*42.5*48	14.0	/	1
SS/Q/50	50	12.5*52.5*48	17.5	/	2
SS/Q/100	100	12.5*102.5*48	35.0	/	2

Flame Spectrophotometer

It is an analytical instrument based on emission spectrum principle,using the thermal energy of flame to make the certain element motivate luminescence to analyze the content of certain element in the material, widely used in the analysis and determination of agricultural fertilizer, soil, cement, ceramics and silicate industry and pathological studies of health care etc.

Features:

* USB Interface(Except BK-FP640)
* LPG as burning gas
* Direct concentration read-out (Except BK-FP640)
* Measuring range adjustable
* 7 inch LCD touch screen
* Automatic Calculation of correlation coefficient(Except BK-FP640)
* Pre-selection of flame sizes
* Flameout protection device

Air Compressor

Technical Parameters:

Model		BK-FP640	BK-FP6410	BK-FP6430	BK-FP6431	BK-FP6440	BK-FP6450
Sensitivity	K	0.01ppm					
	Na	0.01ppm					
	Li	/	/	0.01ppm	/	0.1ppm	
	Ca	/	/	/	2ppm	2ppm	
	Ba	/	/	/	/	/	6ppm
Range	K	0~100ppm					
	Na	0~160ppm					
	Li	/	/	0~100ppm	/	0~100ppm	
	Ca	/	/	/	0~1000ppm	0~1000ppm	
	Ba	/	/	/	/	/	0-3000ppm
Linearity	K	0.195ppm (0.39~3.12) ppm					
	Na	0.69ppm (1.15~9.2) ppm					
	Li	/	/	0.15ppm(0.25~5)ppm	/	0.15ppm(0.25~5)ppm	
	Ca	/	/	/	3ppm(5~100)ppm	3ppm(5~100)ppm	
	Ba	/	/	/	/	/	9ppm
Llinearity Error	K	≤0.195ppm					
	Na	≤0.69ppm					
	Li	/	/	≤0.147ppm	/	≤0.147ppm	
	Ca	/	/	/	≤3ppm	≤3ppm	
	Ba	/	/	/	/	/	≤9.042ppm
MDL	K	≤0.156ppm					
	Na	≤0.184ppm					
	Li	/	/	≤0.105ppm	/	≤0.105ppm	
	Ca	/	/	/	≤2ppm	≤2ppm	
	Ba	/	/	/	≤60.28ppm	/	≤60.28ppm
Repeatability	1% CV for 20 consecutive samples						
Response Time	<8s						
Sample Uptake	<6ml/min						
Ambient Temp	10℃~35℃						
Humidity	≤85%						
Power Supply	AC110/220V±10%, 60/50Hz						
Consumption	250W						
Standard Accessory	Air compressor						
Package Size	770*560*390mm						
Gross weight	22kg						

Fluorescence Spectrophotometer

Applications:

Fluorescence analysis can provide information including excitation and emission spectrum, emission light intensity and measurement of life of emission light and polarization fluorescence etc and a wide lineal range of working curve.
This method has been used in: Medical science and clinical ,Pharmaceutical science and pharmacology,Biochemistry ,Food industry, Pollution and Organic and inorganic chemistry.

BK-F96PRO

BK-F93

Features for BK-F96PRO:

* Two operation modes fluorescence intensity and luminous intensity.
* 365nm exciting wavelength, Raman peak of water S/N ≥150.
* 10 stages emission spectrum scanning.
* Support off-line mode and on-line mode.

Features for BK-F93 :

* 1200 line diffraction grating emission monochromator.
* LED is a cold-light source with longevity, lower background & reliability, prevent from thermo-pollution.
* Automatic zero adjustment and automatic background subtraction.
* Eight stage sensitivity adjustment, Real time fluorescence value display and concentration print out,.Extra wide dynamic range of fluorescence value ensures accurate measurement of minute changes in micro samples.

Technical Parameters:

Model	BK-F96PRO	BK-F93
Light Source	Hamamatsu 150W Xenon lamp	4 digits LED
Excitation filter	Interference optical filter a) Standard set is equipped with an interference optical filter of central wavelength at 365nm and 10nm bandwidth b) An optional interference optical filer of 25mm diameter of wavelength of 250~700nm can be provided on users demand.	LED options a) Standard set includes LED at wavelength 365nm b) The A set includes LED wavelength at 365nm, 376nm, 392nm, 405nm c) Customizable wavelength from 360nm to 600nm
Emission Monochromator	C-T diffraction grating (Em 200~900nm, bandwidth 10nm)	360~650nm (C-T diffraction grating)
Wavelength Accuracy	±1nm	±2nm
Wavelength Repeatability	≤0.5nm	≤1nm
Sensitivity	Raman peak of water in 1 cm quartz fluorescence cuvette with S/N≥150	$1*10^{-9}$g/ml (Standard aqua of the sulfuric acid Quinine, 12nm bandwidth)
Linear Measurement(r)	≥0.995	
Stability	better than 1.5%/10min	better than 3%/10min
Response Time	(0.1~4)s, 6 stages adjustable	(0.1~4)s
Fluorescence Display Value	0.00~600.00	0.00~250.00
Standard Accessories	365nm filter(Preassembled), 1 pc F96PRO software package, 1 pc USB interface, 1 pc Quartz fluorescence sample cell10mm, 1 pair	RS232 serial port, Glass fluorescence cuvette 10mm 1 pair
Optional Accessories	Fuses(2A/5A), 200-700nm interference optical filter (φ25mm) Quartz fluorescence sample cell10mm Multi-function fluorescent sample rack holder, Membrane sample rack, Powder sample rack, Sample cell jacket, Octave Filters 200uL microcentrifuge tube accessory Upconversion fluorescent accessory	Data processing software package (pack, for PC) Fuses(2A) Quartz fluorescence cuvette10mm Optional LED A Set includes: 365nm、376nm、392nm、405nm
Power Supply	AC110/220V±10%, 60/50Hz	
Package Size(W*D*H)mm	450*420 *310	380* 420 *240
Gross Weight(kg)	14	9

BK-AA4530F Atomic Absorption Spectrophotometer

Standard Aeecssories:

Oil free air compressor

PC Workstation

Printer

Features:

* Completely controlled by PC, can flexibly select the flame and graphite furnace atomizer (optional).
* Integrated floated optical platform design improves the optical system shock resistance stable.
* Eight light stands can be changed automatically and preheat the eight lights meantime as well as optimize the working condition of the hollow cathode lamp.
* Position adjusting: the flame burner can be set on the best position automatically.
* Fully automated wavelength scanning and peak searching.
* Complete safety chains protection equipment: warning and automatic safety protection for the wrong burner connection, leakage of the gas, under voltage of air and the abnormal flameout.
* Deuterium lamp and self-absorption background calibration.
* Measuring method: flame absorption method and emission method.
* Result printing: parameter, data result and diagram.
* Data processing: more than 500 data self-storage and cut-off storage, the analyzed result is stored in EXCEL format.

Technical Parameters:

Model	BK-AA4530F
Wavelength Range	190~900nm
Spectral Bandwidth	0.1,0.2,0.4,1.0 and 2.0nm
Wavelength Accuracy	≤±0.15nm
Wavelength Receptivity	≤0.04nm
Base Line Stability	≤0.002A/30min (Cu)
Characteristic Concentration	0.02μg/ml/1% (Cu)
Detection Limit	0.004μg/ml (Cu)
Measurement Repeatability	≤0.5%
Grating	1800 lines/mm
Inflamer	All-metal titanium burner
Atomizer	Efficient glass atomizer
Lamp Stand	8
D2 background Calibration	When the background is 1 A, the background ability should be deducted not less than 50 times; self absorption background deduction method
Power Supply	220V, 50Hz
Packing Size(W*D*H) mm	850*700*750 (Main instrument); 950*620*1020 (Accessories)
Gross Weight(kg)	105 (Main instrument); 100 (Accessories)
Standard Accessories	PC workstation; HP inkjet printer; Oil free Air compressor; Acetylene reducing valve; Cu Hollow cathode lamp; Air filter
Optional Accessories	Graphite Furnace 4510GF; Hollow cathode lamp(Ag, Au, Ca, Cd, Cr, Fe, Hg, K, Au, Mg, Mn, Na, Ni, Pb, Zn, Sb, etc)

Flame System:

Acetylene Air Burner	100mm
Ignition Dynamic Baseline Drift	≤0.006A/30min
Characteristic Concentration	≤0.025μg/ml/1%(Cu)
Related Standard Deviation of the Accuracy	≤0.5%(Cu, absorbance＞0.8A) (detection limit Cu≤0.008μg/ml)
Safety System	Can automatically cut off the gas when the pressure is not enough, the power is off, flameout and unconformity of the burner.

Graphite Furnace(Optional):

Max. Temperature	3000℃
Max Heating Speed	≥2000℃/S
Characteristic Quantity	Cd≤0.5*10^{-12}g Cu≤0.5*10^{-11}g
Accuracy	Cu≤3% Cd≤3%
Safety System	Over current protection Low air pressure alarm/protection; Low cooling water flow alarm/protection
Power Supply	220V, 50Hz
Consumption	7000W
Packing Size(W*D*H) mm	740*640*700
Gross Weight(kg)	90

BK-AA320N Atomic Absorption Spectrophotometer

Oil free air compressor
(standard accessories)

Features:

* **Build-in computer data processing and LCD display.**
* **Stability:** Double-beam system can automatically compensate the light source drift and wavelength drift caused by the variation of temperature and electronic circuit drift.
* **Quickly:** The cathode lamp does not need to be pre-heated for long time and sample can be analyzed immediately.
* **High precision of measurement:** Gas path system is equipped with precision pressure stabilizing and current stabilizing devices to reach stable flame and low noise. Specially designed fine light beam passes through the flame to ensure a high precision analytical test and low characteristic concentration.
* **High energy optical path.**
* **Long-life and anti-corrosive atomization system.**
* **Multi-functional analysis mode:** ① flame absorption, ② flame emission, ③ graphite furnace atomic absorption, ④ hydride generation.
* **Safe and reliable gas path system:** Special devices of quick gas conversion and safety protection can be used to analyze air-acetylene flame and extend the analytic elements to reach more than 60.

Technical Parameters:

Model	BK-AA320N
Wavelength Range	190~900nm
Wavelength Accuracy	≤±0.5nm
Wavelength Repeatability	≤0.3nm (single direction)
Spectral Bandwidth	0.2nm, 0.4nm, 0.7nm, 1.4nm, 2.4nm, 5.0nm
Grating	1800 lines/mm
Resolution	<40%
Base Line Stability	±0.004Abs/30min
Characteristic Concentration	≤0.04μg/ml/1% (Cu)
Detection Limit	≤0.008μg/ml (Cu)
Background Calibration	>30 times
Power Supply	220V, 50Hz
Package Size(W*D*H)	1250*795*765mm (Main instrument), 545*445*1385mm (Accessories)
Gross Weight	138kg (Main instrument), 56kg (Accessories)
Standard Accessories	RS232 serial port, Oil-free air compressor, Glass Atomizer, Cu Hollow cathode lamp, Atomizer unit Burner unit Dust cover, Water-separating gas filter, Titanium burner-10cm
Optional Accessories	Software, Model GA3202 HGA graphite furnace system, Hydride generator, Graphite tubes, Recirculating cooling water system, Hollow cathode lamp(Ag, Au, Ca, Cd, Cr ,Fe, Hg ,K ,Mg ,Mn, Na, Ni, Pb, Zn, Sb,etc)

NIR Spectrophotometer

NIR spectrophotometer, mainly used for liquid samples qualitative and quantitative analysis, applies to gasoline, drinks, milk and other areas of nutrients, water chemistry and other physical properties of the rapid non-destructive analysis determination.

The instrument monitors the ambient temperature and humidity in real time and stores it in the spectrum file, which is convenient for users to check and optimize the measurement conditions.

Features:

* Single-channel whole spectrum scanning.
* Built-in high-quality PTFE reference module and polystyrene wavelength standard filter.
* Automatic reference calibration and monitoring wavelength.

Technical Parameters:

Model	BK-S430
Optical system	Grating monochromator
Wavelength Scanning Interval	8nm
Wavelength Range	900~2500nm
Wavelength Accuracy	≤ 0.2nm
Wavelength Reproducibility	≤0.05 nm
Stray Light	≤0.1%
Scanning Time	1 minute or adjustable
Noise	≤0.0005 Abs
Interface	USB
Standard Accessories	2*1cm quartz square sample cell , 2*1mm quartz micro sample cell
Optional Accessories	Laptop
Power Supply	110V/220±10%, 60/50Hz
Packing size	360*460*240mm
Gross Weight	12kg

RE-2010 Rotary Evaporator

Features:

* Double sealing rings with Teflon and Viton makes vacuum up to -0.098Mpa.
* Intelligent temperature control and digital temperature display.
* High evaporating and recovery collecting rate.
* Overloading protect function.
* Expandable module design.
* Stepless speed controller.

Technical Parameters:

Model	RE-2010
Rotary Bottle	1L 24# (standard size)
Collecting Bottle	1L 35# (ball mill mouth)
Condenser	Vertical φ85*430mm
Charging Valve	19# (standard size)
Rotating Speed	20~195rpm
Vacuum	-0.098Mpa
Temp. Range	RT~99℃
Temp. Accuracy	±1℃
Stroke Height	100mm+150mm(sliding + manual)
Rotary Motor	40W
Heating Power	1.5KW
Water Evaporating Speed	20ml/min
Vacuum Sealing	Double sealing rings made of Teflon+ Viton materials
Shelf Material	Aluminum alloy
Chamber Material	Aluminum alloy +Teflon φ240*140mm
Power Supply	AC220V±10%, 50Hz
External Size(W*D*H)	550*400*780~1040mm
Package Size(W*D*H)	720*525*385mm
Gross Weight	19kg
Standard Accessory	1L Rotary Bottle*1, 1L Collecting Bottle*1
Optional Accessory	Rotary Bottle(500~3000ml), Vacuum pump, Inclined condenser, Recirculating chiller

Rotary Evaporator (New Design)

Features:

* Evaporating flask with an ejector, convenient to remove

Technical Parameters:

Model	RE 100-Pro
Rotary Bottle	1L(NS 29/32 or NS24/40)
Collecting Bottle	1L(KS 35/20)
Display	LCD
Rotating Speed	20~280rpm
Temp. Range	RT~180℃
Temp. Accuracy	±1℃
Lift	Motor
Stroke Height	150mm
Timing Range	1~999min
Motor	DC brushless motor
Rotation	Reversible Direction
Interface	USB
Consumption	1400W
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)	465*457*583 mm
Package Size(W*D*H)	640*1100*650mm
Net Weight	15kg
Gross Weight	40kg
Standard Accessory	1L Rotary bottle*1, 1L Collecting bottle*1,
Optional Accessory	Vacuum pump, Recirculating chiller

Explosion-proof Rotary Evaporator

Features:

* LED display.
* Explosion-proof motor.
* Explosion frequency inverter.
* Explosion auto temperature controller.
* Stepless speed controller.
* Auto-lifting bath is optional
* Stainless steel and aluminium alloy structure
* Anti-corrosive PTFE sealing good performance.

Technical Parameters:

Model	ExRE-1002	ExRE-2002	ExRE-5003
Rotary Bottle	10L (flange Ø95)	20L (flange Ø95)	50L (flange Ø125)
Collecting Bottle	5L (flange Ø50)	10L (flange Ø60)	20L (flange Ø60)
Condenser	Vertical three backflow, φ120*640mm(main), φ135*470mm(SUB)	Vertical three backflow, φ130*680mm(main), φ160*530mm(SUB)	Vertical three backflow, φ160*840mm(main), φ160*530mm(SUB)
Charging Valve	34# (standard size)		40# (standard size)
Rotating Speed	0~110rpm		
Vacuum	-0.098Mpa		
Temp. Range	RT~400℃		
Temp. Accuracy	±1℃		
Rotating Power	120W		180W
Heating Power	3KW	5KW	7/8KW
Power Supply	AC220V±10%, 50Hz		AC220V±10%, 50Hz or 380V, 50Hz
External Size(W*D*H)	1050*580*1950mm	1100*600*2100mm	1300*720*2300mm
Package Size(W*D*H)	1350*350*400mm 1280*570*660mm	1370*700*680mm 700*680*740mm	1450*390*440mm 1150*840*660mm 790*730*790mm
Gross Weight	100kg	123kg	170kg
Standard Accessory	10L rotary bottle*1, 5L collecting bottle*1,	20L rotary bottle*1, 10L collecting bottle*1	50L rotary bottle*1, 20L collecting bottle*1
	Explosion-proof transducer, Explosion-proof motor EX120W		
Optional Accessory	Double collection bottle, Auto-lifting, Vacuum pump, Recirculating chiller		

Small Capacity Rotary Evaporator

RE-2000A/B

RE-2000E

RE-52A/C

RE-5299

Features:

* Intelligent temperature control and digital temperature display.
* Stepless speed controller.
* Teflon Sealing and host automatically

Technical Parameters:

Model	RE-2000A	RE-2000B	RE-2000E	RE-52A	RE-52C	RE-5299
Rotary Bottle	1L 24# (standard size)					
Collecting Bottle	1L 35# (ball mill mouth)			0.5L 24# (standard size)		
Condenser	Vertical φ85*430mm,			Vertical φ85*460mm, 29# (standard size)		
Charging Valve	19# (standard size)			19# (standard size)		
Rotating Speed	0~180rpm			0~120rpm		
Vacuum	-0.098Mpa					
Temp. Range	RT~99℃					
Temp. Accuracy	±1℃					
Stroke Height	120mm					
Rotating Power	40W			30W		
Heating Power	1.5KW			1KW		
Shelf Material	Aluminum alloy			Powder coating anticorrosive		
Chamber Material	Teflon φ240*140mm			SS φ240*120mm		SS φ250*140mm
Power Supply	AC110/220V±10%, 50/60Hz		AC220V±10%, 50Hz	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)	660*420*830mm			700*440*1005mm		
Package Size(W*D*H)	630*560*540mm			590*460*460mm		
Gross Weight	26kg			21kg		
Standard Accessory	1000ml rotary bottle*1, 500ml recycling bottle*1					
Optional Accessory	RT~400℃ oil bath, 304 SS bath, Transparent bath cover, Vacuum pump, Recirculating chiller			RT~400℃ oil bath, Transparent bath cover, Vacuum pump, Recirculating chiller		

Rotary Evaporator

RE-201D

RE-301

RE-501

RE-1002/2002

RE-5003

Features:

* Electronic stepless speed control.
* LED display
* Optional explosion-proof function.(eg. RE-301, RE-501, RE-1002, RE-3002, RE-5003)

Technical Parameters:

Model	RE-201D	RE-301	RE-501	RE-1002	RE-2002	RE-5003
Rotary Bottle	1L 24#standard mouth	3L flange Ø50	5L flange Ø50	10L flange Ø95	20L flange Ø95	50L flange Ø125
Collecting Bottle	1L 35# ball mill mouth	2L 35# ball mill mouth	3L 35# ball mill mouth	5L flange Ø50	10L flange Ø60	20L flange Ø60
Condenser	Vertical φ85*460mm, 29# (standard size)	Vertical φ100*510mm	Vertical φ100*590mm	Vertical three backflow, φ120*640mm (main), φ135*470mm (SUB)	Vertical three backflow, φ130*680mm (main), φ160*530mm (SUB)	Vertical three backflow, φ160*840mm (main), φ160*530mm (SUB)
Charging Valve	19# (standard size)			34# (standard size)		40# (standard size)
Rotary Speed	0~120rpm			0~110rpm		
Vacuum	0.098Mpa					
Temp. Range	RT~400℃					
Temp. Accuracy	±1℃					
Stroke Height	120mm			180mm		
Rotary Power	30W	40W		120W		180W
Heating Power	1.5KW	2KW		3KW	5KW	8KW
Shelf Material	Stainless steel			Coating anticorrosive		
Chamber Material	SS 250*140mm	SS 255*170mm	SS 280*170mm	SS 550*320mm	SS 450*250mm	SS 350*220mm
Plate Size	280*330mm	350*330mm		534*504mm	474*474mm	550*320mm
Power Supply	AC110/220V±10%, 50/60Hz				AC220V±10%, 50Hz	AC380V/220V±10%, 50Hz
External Size(mm)	700*440*885	660*330*970	700*335*1009	970*480*1950	1170*540*2200	1520*620*2470
Package Size(mm)	590*460*460	1000*460*450	1040*620*410	1350*350*400 1280*570*660	1370*700*680 700*680*740	1450*390*440 1150*840*660 790*730*790
Gross Weight	21kg	38kg	38kg	100kg	123kg	170kg
Standard Accessory	1L Rotary bottle*1; 1L Collecting bottle*1	3L Rotary bottle*1; 2L Collecting bottle*1	5L Rotary bottle*1; 3L Collecting bottle*1	10L Rotary bottle*1; 5L Collecting bottle*1	20L Rotary bottle*1; 10LCollecting bottle*1	50L Rotary bottle*1; 20LCollecting bottle*1
Optional Accessory	Transparent bath cover, Explosion-proof transducer	Explosion-proof transducer, Explosion-proof motor EX40W		Explosion-proof transducer, Double collection bottle, Auto-lifting, Explosion-proof motor EX120W		
	Vacuum pump, Recirculating chiller					

Water Circulating Vacuum Pump

SHZ-DIII

SHZ-95B

Technical Parameters:

Model	SHZ-DIII (Four gauge four pumping)	SHZ-95B
Pump Head	4	5
Speed of Evacuation	10L/Min	
Vacuum	-0.098Mpa	\
Circulating Pump Flow	40L/min	80L/min
Pump Lift	12m	
Material	Anti-corrosion	Anti-corrosion or Stainless Steel
Consumption	370W	370W
Capacity	15L	50L
Power Supply	AC220V±10%, 50Hz/60Hz	
Package Size(W*D*H)	600*480*620mm	550*460*1020mm
Gross Weight	19kg	40kg
Applicable Rotary Evaporator Model	RE-2010, RE 100-Pro, RE-2000A, RE-2000B, RE-2000E, RE-52A, RE-52C, RE-5299, RE-201D, RE-301, RE-501	ExRE-1002, ExRE-2002, ExRE-5003, RE-1002, RE-2002, RE-5003

Note: Vacuum pump does not have the function of adjusting vacuum degree, if you need this function you should be match the vacuum control instrument.

Recirculating Chiller

CCA-420

DLSB Series

Technical Parameters:

Model	CCA-420	DLSB-5/20	DLSB-20/40
Temp. Display	LED display		
Tank Volume	4.9L	5L	20L
Matching Reaction Kettle(Steam)	1~2L	1~5L	20L
Tank Material	304 Stainless Steel	201 Stainless Steel	
Tank Size	220*150*120mm	Φ220*180mm	Φ300*300mm
Temp. Control Accuracy	±1℃	±0.5℃	
Display Temp. Resolution	0.1℃	1℃	
Pump Lift	4m	4~6m	
Circulating Pump Flow	15L/min	20L/min	
Refrigerant	R134A	R22	
Refrigerating Capacity	450~260W	1248~319W	3729~989W
Pressure	\	2MPa	
Ambient Relative Humidity	(60~80%)Ventilation		
Instrument Temp. Control Range	-20℃ ~Room temp.	-20℃ ~ Room temp.	-40℃ ~ Room temp.
Optimum Ambient Temp.	5~35℃	5~25℃	
Unload Min Temp.	-20℃	-20℃	-42℃
Circulation Pump Power	6W	100W	
Circulating Pump	Magnetic pump	Fully-closed &No-leaked special pump	
Circulating Water Mouth Interface	Outer diameter11 mm/ Inner diameter7mm	\	
Sensor	PT100		
Coil Diameter	\	Φ200mm	Φ275mm
Opening Size	\	Φ195mm	Φ250mm
Power Supply	220V±10%, 50Hz/60Hz		380V±10%, 50Hz/60Hz

Model	CCA-420	DLSB-5/20	DLSB20/40
Secure Protection	Overload protection, Overheating protection, Refrigerator delay protector	Leakage, overload circuit breaker, Overload relay circuit, Refrigerator protection timer, Circulating pump thermal protector, Refrigerator high-pressure pressure switch, Temperature control self-diagnosis function	
External Size(W*D*H)mm	497*232*490	610*500*910	510*345*650
Package Size(W*D*H)mm	590*310*570	650*450*870	610*500*910
Gross Weight(kg)	30	62	63
Accessories	In and out joint *1, silicone pipe insulation*2	In and out joint *1, Vertical rod*1, Thermal insulation pipe*2	
Applicable Rotary Evaporator Model	RE-2010, RE-2000A, RE-2000B, RE-2000E, RE-52A, RE-52C, RE-5299, RE-201D, RE 100-Pro	RE-301, RE-501, RE-1002	ExRE-1002, RE-2002

Recirculating Chiller

Corollary Equipment:

Kjeldahl Apparatus, Soxhlet Extractor, Crude Fiber Analyzer, AAS, ICP-MS, Electrophoresis System, Rheometer, Automatic Synthesizer, Fermentation Apparatus, Rotary Evaporator, Extraction and Condensation Device, SPE Apparatus.

Features:

* Cooling system adopt TECUMSEH compressor in order to ensure cooling efficiency, and reduce noise.
* PID temperature controlling technology is adopted. Cooling method is not the traditional start-stop type, EEV technology improve the stability.
* Over-temperature protection and auto-alarm function is used in refrigeration control system to avoid damage temperature medium caused by abnormal liquid temperature value.
* Water level observation window and automatic water level detection device, automatic alarm when low liquid level.
* Water current detection device is adopted. When external cycle closed or blocked, internal cycle will be switched automatically.
* High performance circulating water pump guarantee the long time continuous running, and good sealing avoid leakage. The pressure of pump is 0~1.5 bar, adjustment is available by rotary knob. Pressure value is displayed.
* Color LCD screen display more running data and dynamic identifier. Easy to monitor.

Technical Parameters:

Model	BK-RC1200
Temp. Control Range	5°C ~ 40°C
Temp. Control	PID
Temp. Stability	±0.3°C
Temp. Sensor	PT100
Display Resolution	0.1°C
Pump Flow Rate	20L/min
Cooling Consumption	1.2KW
Refrigerant	R134a
Pump Capacity Pressure	0~1.5 bar
Filling Volume	8L
Power Supply	AC220V±10%, 50Hz
External Size(W*D*H)	550*400*650mm
Package Size(W*D*H)	750*580*910mm
Gross Weight	74kg

LCD display

Pressure gauge

Castor

Pipettes

TopPette-Mechanical Pipettes

Features for TopPette:

* Light weight, ergonomic, low force design
* Digital display clearly reads volume setting
* The pipettes cover volume range of 0.1µl to 10ml
* Easy to calibrate and maintain
* The lower part is autoclavable
* Design helps avoid repetitive strain injuries

Features for Multi-channel TopPette:

* 8-and 12-channel pipettes are available for standard 96-well plate
* Dispensing head rotates ensures optimum pipetting convenience
* Individual piston/tip cone assemblies allow easy repair and maintenance
* Compound material tip cone design allows visual seal vertification
* Universal pipette tips can be used

MicroPette Mechanical Pipettes

Features for MicroPette:

* Light weight, ergonomic, low force design
* Digital display clearly reads volume setting
* The pipettes cover volume range of 0.1µl to 10ml
* Easy to calibrate and maintain
* The lower part is autoclavable
* Design helps avoid repetitive strain injuries
* Manufactured from innovative materials

Features for multi-channel MicroPette:

* 8 and 12 channel pipettes are available for standard 96-well plate
* Dispensing head rotates for optimum pipetting convenience
* Individual piston and tip cone assemblies allow easy repair and maintenance
* Compound material tip cone design allows visual seal verification
* Universal pipette tips can be used

MicroPette Plus Autoclavable Pipette

Fully Autoclavable:

The MicroPette plus pipettes can be fully autoclaved at 121℃, 1 atm for less than 20 mins. The pipettes can be autoclaved without special preparations. After autoclaving the pipette must be cooled down and dried over 12 hours.

Features for MicroPette plus:

* Fully autoclavable
* Light weight, ergonomic, low force design
* Digital display clearly reads volume setting
* The pipettes cover volume range of 0.1µl to 10ml
* Easy to calibrate and maintain
* Design helps avoid repetitive strain injuries
* Manufactured from innovative materials

Features for multi-channel MicroPette plus:

* 8 and 12 channel pipettes are available for standard 96-well plate
* Individual piston and tip cone assemblies allow easy repair and maintenance
* Compound material tip cone design allows visual seal verification
* Universal pipette tips can be used
* Dispensing head rotates for optimum pipetting convenience

Note: It is recommended to check the performance of the pipette after each autoclaving. It is also recommended to grease the piston and seal of the pipette after each 10 autoclaving.

Technical Parameters:

TopPette Mechanical Pipettes/ MicroPette Mechanical Pipettes / MicroPette Plus Autoclavable Pipettes (Adjustable and Fixed Volume)

Single-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume(μl)	Maximume Permissible Systematic Error		Maximume Permissible Random Error	
0.1-2.5μl	0.05μl	2.5	2.50%	0.0625μl	2.00%	0.05μl
		1.25	3.00%	0.0375μl	3.00%	0.0375μl
		0.25	12.00%	0.03μl	6.00%	0.015μl
0.5-10μl	0.1μl	10	1.00%	0.1μl	0.80%	0.08μl
		5	1.50%	0.075μl	1.50%	0.075μl
		1	2.50%	0.025μl	1.50%	0.015μl
2-20μl	0.5μl	20	0.90%	0.18μl	0.40%	0.08μl
		10	1.20%	0.12μl	1.00%	0.1μl
		2	3.00%	0.06μl	2.00%	0.04μl
5-50μl	0.5μl	50	0.60%	0.3μl	0.30%	0.15μl
		25	0.90%	0.225μl	0.60%	0.15μl
		5	2.00%	0.1μl	2.00%	0.1μl
10-100μl	1μl	100	0.80%	0.8μl	0.15%	0.15μl
		50	1.00%	0.5μl	0.40%	0.2μl
		10	3.00%	0.3μl	1.50%	0.15μl
20-200μl	1μl	200	0.60%	1.2μl	0.15%	0.3μl
		100	0.80%	0.8μl	0.30%	0.3μl
		20	3.00%	0.6μl	1.00%	0.2μl
50-200μl	1μl	200	0.60%	1.2μl	0.15%	0.3μl
		100	0.80%	0.8μl	0.30%	0.3μl
		50	1.00%	0.5μl	0.40%	0.2μl
100-1000μl	5μl	1000	0.60%	6μl	0.20%	2μl
		500	0.70%	3.5μl	0.25%	1.25μl
		100	2.00%	2μl	0.70%	0.7μl
200-1000μl	5μl	1000	0.60%	6μl	0.20%	2μl
		500	0.70%	3.5μl	0.25%	1.25μl
		200	0.90%	1.8μl	0.30%	0.6μl
1000-5000μl	50μl	5000	0.50%	25μl	0.15%	7.5μl
		2500	0.60%	15μl	0.30%	7.5μl
		1000	0.70%	7μl	0.30%	3μl
2-10ml	0.1ml	10ml	0.60%	60μl	0.20%	20μl
		5ml	1.20%	60μl	0.30%	15μl
		2ml	3.00%	60μl	0.60%	12μl

Note: 2~10ml is not available for micropette plus autoclaveable pipettes.

8-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume(μl)	Maximume Permissible Systematic Error		Maximume Permissible Random Error	
0.5-10μl	0.1μl	10	1.50%	0.15μl	1.50%	0.15μl
		5	2.50%	0.125μl	2.50%	0.125μl
		1	4.00%	0.04μl	4.00%	0.04μl
5-50μl	0.5μl	50	1.00%	0.5μl	0.50%	0.25μl
		25	1.50%	0.375μl	1.00%	0.25μl
		5	3.00%	0.15μl	2.00%	0.1μl
50-300μl	5μl	300	0.70%	2.1μl	0.25%	0.75μl
		150	1.00%	1.5μl	0.50%	0.75μl
		50	1.50%	0.75μl	0.80%	0.4μl
12-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume(μl)	Maximume Permissible Systematic Error		Maximume Permissible Random Error	
0.5-10μl	0.1μl	10	1.50%	0.15μl	1.50%	0.15μl
		5	2.50%	0.125μl	2.50%	0.125μl
		1	4.00%	0.04μl	4.00%	0.04μl
5-50μl	0.5μl	50	1.00%	0.5μl	0.50%	0.25μl
		25	1.50%	0.375μl	1.00%	0.25μl
		5	3.00%	0.15μl	2.00%	0.1μl
50-300μl	5μl	300	0.70%	2.1μl	0.25%	0.75μl
		150	1.00%	1.5μl	0.50%	0.75μl
		50	1.50%	0.75μl	0.80%	0.4μl
Fixed Volume Pipettes						
Volume Range	Increment	Test Volume(μl)	Maximume Permissible Systematic Error		Maximume Permissible Random Error	
5μl	/	5μl	1.3%	0.065μl	1.2%	0.06μl
10μl	/	10μl	0.8%	0.08μl	0.8%	0.08μl
20μl	/	20μl	0.6%	0.12μl	0.5%	0.1μl
25μl	/	25μl	0.5%	0.125μl	0.3%	0.075μl
50μl	/	50μl	0.5%	0.25μl	0.3%	0.15μl
100μl	/	100μl	0.5%	0.5μl	0.3%	0.3μl
200μl	/	200μl	0.4%	0.8μl	0.2%	0.4μl
250μl	/	250μl	0.4%	1.0μl	0.2%	0.5μl
500μl	/	500μl	0.3%	1.5μl	0.2%	1.0μl
1000μl	/	1000μl	0.3%	3.0μl	0.2%	2.0μl
2000μl	/	2000μl	0.3%	6.0μl	0.15%	3.0μl
5000μl	/	5000μl	0.3%	15μl	0.15%	7.5μl

Levo Plus Pipette Filler

Features:

* Volume range of 0.1-100ml
* One-handed operation
* Light weight, ergonomic design
* Efficient lithium-ion battery offers long runtime on each charge
* Low battery alarm
* Powerful motor fills a 25ml pipette within 5 seconds
* Integral and replaceable 0.45um filter
* Large LCD display
* Eight speeds are available for aspirating and dispensing liquid

Technical Parameters:

Aspirate Speeds	8
Dispense Speed	8 levels Gravity Dispense
Battery	Lithium-Ion
Battery Working Time	8 hours of intermittence use
Charging Time	Approx 2 hours
Pipette	Glass or Plastic Pipette(0.1-100ml), Pasteur Pipettes
Filter	0.45 μm Hydrophobic

Ordering information:

Cat No.	Descriptions
7033100100	Levo Plus with AC adapter, spare 0.45um filter and wall stand, Euro plug
	Levo Plus with AC adapter, spare 0.45um filter and wall stand, North-America plug
	Levo Plus with AC adapter, spare 0.45um filter and wall stand, UK plug
Standard accessories	
17400032	Levo Plus charger
17000205	Levo Plus Lithium battery
17000103	Filter 0.45um, 1pc/pk

Electonic Pipette

Features:

* A motor drive digital control pipette with multifunction Pipetting, Mixing, Stepper and Dilution.
* 2 buttons handle all operation and setting.
* Light weight, ergonomic design, small body dimension for easy handling that guarantees fatigue free pipetting.
* High accuracy, high performance stepper motor assures precision and repeatability and eliminates manual pipetting errors.
* A wide range of pipetting modules for selection.
* Adjustable speeds for aspiration and dispensing.
* Li-ion battery and two charging mode enable longer operation time.
* Self calibration – By link it to a PC and a balance with USB connector, user can calibrate pipette by himself. No need to send it to the third party for calibration.

Technical Parameters:

Volume Range	Increment	Test Volume	Inaccuracy		Imprecision	
		μL	μL	%	s.d.*μL	CV*%
0.5-10μL	0.01μL	10	±0.10	±1.0	0.05	0.5
		1	±0.035	±3.5	0.03	3.0
5-50μL	0.1μL	50	±0.40	±0.8	0.15	0.3
		5	±0.15	±3.0	0.125	2.5
30-300μL	1μL	300	±1.8	±0.6	0.6	0.2
		30	±0.9	±3.0	0.21	0.7
100-1000μL	5μL	1000	±6.0	±0.6	2.0	0.2
		100	±3.0	±3.0	0.6	0.6

***s.d. = Standard Deviation *CV = Coefficient of Variation**

DispensMate Bottle-Top Dispenser

Features:

* Excellent chemical resistance
* Fully autoclavable at 121℃
* Four ranges of bottle-top dispenser cover a volume range from 0.5ml to 50ml
* Easy to clean and maintain
* Made of PTFE、FEP、BSG、PP
* The optional flexible discharge tube with safety handle permits fast and precise dispensing
* Vapor pressure Max. 500mbar, viscosity max. 500mm2/s, temperature max. 40℃, density max. 2.2g/cm3
* DispensMate plus is supplied with S40, GL32, GL38, GL25, GL28 sized adapters

Technical Parameters:

Volume Range	Graduation	A≤±		CV≤	
0.5-5ml	0.1ml	0.5%	25μl	0.1%	5μl
1.0-10ml	0.2ml	0.5%	50μl	0.1%	10μl
2.5-25ml	0.5ml	0.5%	125μl	0.1%	25μl
5.0-50ml	1.0ml	0.5%	250μl	0.1%	50μl

A = Accuracy; CV = Coefficient of variation.

Ordering Information:

Cat. No.	Volume Range
7032100001	0.5-5ml
7032100002	1-10ml
7032100003	2.5-25ml
7032100004	5-50ml

Cat. No.	Volume Range
Standard Accessories	
17000069	S40, Adapter, 45/40mm
17400017	GL32, Adapter, 45/32mm
17400018	GL38, Adapter, 45/38mm
17400019	GL25, Adapter, 32/25mm
17400020	GL28, Adapter, 32/28mm
17400021	Filling tube (m)
17400073	Discharge tube (m)
Optional Accessories	
17400037	Reagent Bottle (Brown, 1L)

Pipette Stand

The linear and round stands have been designed to fit perfectly of BIOBASE Pipette range, TopPette,MicroPette and MicroPette Plus Autoclavable Pipettes. The stands are convenient to hold up 6 pipettes both of single and multi-channel.

The round stand can rotate smoothly and comfortably hold up to 6 pipettes

The linear stand can hold of single and multi-channel pipettes up to 6

Ordering Information:

Cat. No	Descriptions
7030000084	Round stand holds up to 6 pipettes, fit of TopPette, MicroPette and MicroPette Plus
7030000085	Linear stand holds up to 6 pipettes, fit of TopPette, MicroPette and MicroPette Plus

Electronic Bottle-Top Dispenser

Features:

* Motor operation minimizes the grip force.
* Electronic control decreases the repetitive strain injury.
* Remote control panel prevents manual disturbance during operation.
* Two dispensing modes.
* Dispenser.
* Stepper function.

Technical Parameters:

Specifications	DFlow
Volume Range	0.1~99.9mL, Max piston lift is 10mL, resolution is 100μL
Volume Accuracy	Dispenser: R = 10mL ±30μL; CV = 10ml ±10μL; Stepper: R = 1mL ±6μL; CV = 1ML ±9μL
Operating Temperature Range	10℃~30℃
Quality Control	DIN EN ISO 8655
Contro Type	External control

Bath / Circulator

Thermostatic Water Bath

SY-2L4H

SY-1L1H

SY-2L8H

Features:

* Stainless steel inner chamber and upper cover.
* Adopt new design structure, which could avoid the leakage of steam.
* PID mircoprocessor controller, LED display.
* With universal fixture for SY-1L4H and SY-1L6H.

Technical Parameters:

Model	SY-1L1H	SY-1L2H	SY-1L4H	SY-1L6H	SY-2L4H	SY-2L6H	SY-2L8H
Capacity	3L	7L	13L	20L	15L	23L	24L
Temp. Range	RT.-100℃						
Temp. Fluctuation	±0.5℃						
Temp. Accuracy	≤±1℃						
Time Range	0~999min						
Power	300W	500W	1000W	1500W	1000W	1500W	2000W
Power Supply	AC110/220V±10%, 50/60Hz						
Internal Size(mm)	140*150*150	300*150*150	600*180*120	900*180*120	320*300*150	500*300*150	620*320*120
External Size(mm)	270*180*190	320*180*210	770*310*170	1100*310*170	340*320*210	500*320*210	750*360*160
Packing Size(mm)	320*230*220	410*220*310	820*330*250	1150*330*250	410*390*310	590*390*310	830*460*250
Net Weight(kg)	2	4	10	13	6.5	9	12
Gross Weight(kg)	3	5	11	14.5	7.5	10	13

Transparent Water Bath

Features:

* Adopt new design structure, effectively prevent leakage of steam.
* All made of transparent acrylic sheet, can clearly see objects that are heated.
* High precision intelligent temperature control, digital display with high brightness.

Technical Parameters:

Model	SY-6L	SY-8L	SY-20L
Capacity	6L	8L	20L
Temp. Range	RT-100℃		
Temp. Fluctuation	0.5℃		
Temp. Accuracy	≤±1℃		
Tube Rack	1 pc, Height: 20mm, Diameter: 12.5mm		
Consumption	600W	1000W	1500W
Power Supply	AC110/220V±10%, 50/60Hz		
Internal Size(mm)	270*120*150	270*120*150	480*270*150
Packing Size(mm)	410*275*310	470*315*310	680*375*310
Net Weight(kg)	6	7.5	13
Gross Weight(kg)	6.8	8.5	15

Constant Temperature Water Tank

Features:

* Microprocessor control, LED display.
* Timing function and over-temperature protection.
* External material: Cold rolled steel with anti bacteria powder coating.
* Inner material: Stainless steel inner chamber.

Technical Parameters:

Model	WT-42	WT-60
Temp. Range	RT-100℃	
Temp. Fluctuation	≤ ±1℃	
Consumption	800W	1500W
Power Supply	AC110V/220V±10%, 50/60Hz	
Internal Size(L*W*H) mm	420*180*180	600*300*180
External Size(L*W*H) mm	580*300*270	760*410*270
Package Size(L*W*H) mm	630*350*310	820*480*310
Net Weight(kg)	10	15
Gross Weight(kg)	11	17

Thermostatic Shaking Water Bath

Features:

* Stepless speed regulation.
* High-transparency cover for direct observation of the samples inside.
* Force convection ensures a better heat mixture and temperature uniformity within the chamber.

Technical Parameters:

Model	SWB-A	SWB-B	SWB-C
Temp. Range	RT+3~100℃		
Vibration Amplitude	30mm	24mm	30mm
Vibration Frequency(r/min)	50~280	50~220	50~280
Shaking Mode	Rotation oscillation,	Rotation, Oscillating back and forth	Oscillating back and forth
Timing	1~60min		
Consumption	1550W	1300W	1550W
Power Supply	AC110/220V±10%, 50/60Hz		
Internal Size(L*W*H) mm	460*390*150	500*410*170	460*390*150
External Size(L*W*H) mm	710*460*430	700*460*450	710*460*430
Package Size(L*W*H) mm	820*640*510	850*640*590	820*640*510
Gross Weight(kg)	55	65	65

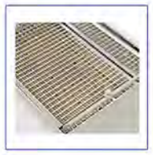
Reciprocating Thermostatic Shaking Water Bath

Features:

* Power off recovery function.
* Audio and visual alarm.
* Stainless steel lid, prevent heat loss and evaporation.
* Double over-temperature protection design. Anti dry-out function.

SWB-110X12 and SWB-110X24

SWB-110X48



Technical Parameters:

Model	SWB-110X12 (table-top)	SWB-110X24 (table-top)	SWB-110X48 (floor-type)
Control	PID		
Display	LCD		
Shaking Mode	Reciprocating shaking		
Drive Mode	Balancing drive		
Shaking Speed	20~200rpm		
Shaking Accuracy	±1rpm		
Vibration Range	Φ25mm		
Standard Capacity	Universal spring clamp	250ml*24	250ml*48
Max. Capacity	250ml*12 or 500ml*8 or 1000ml*6	250ml*24 or 500ml*15 or 1000ml*8	250ml*48 or 500ml*30 or 1000ml*20
Shaking Plate Size	430*320mm	590*390mm	780*586mm
Spring Shaking Plate Size	430*320*60mm	590*390*80mm	780*586*80mm
Timing Range	0~999.59h		
Temp. Range	RT~100℃		
Temp. Accuracy	±0.1℃		
Temp. Uniformity	±0.2℃		
Internal Material	316 stainless steel		
Safety Function	Audio and visual alarm for over-temperature; Alarm for over-speed; Detached over-temperature protector; Shutdown protection for door opening; Leakage or overcurrent protection		
Consumption	2000W	2200W	4000W
Power Supply	AC110/220V±10%, 50/60Hz		
Internal Size(W*D*H) mm	510*380*240	700*455*260	940*660*275
External Size(W*D*H) mm	760*420*370	945*495*408	1240*700*760
Package Size(W*D*H) mm	810*470*470	995*545*508	1740*750*860
Gross Weight(kg)	65	120	160

High Precision Low-temperature Thermostatic Bath

Features:

* Timing range 0-100 hours.
* Fully enclosed compressor refrigeration.
* Microprocessor control, LCD display, software lock function.

Technical Parameters:

Model	Temp. Range (℃)	Temp. Fluction(℃)	Temp. Reso-lution (℃)	Internal Size (mm)	Circu-lating Pump Flow (L/min)	Working Slot Opening (mm)	Drain	Power Supply	G.W. (kg)	Package Size (mm)
BKD-0506	-5~100	±0.005~±0.02	0.001	250*200*150	6	180*140	Yes	AC220V ±10%, 50/60Hz	35	515*450*600
BKD-1006	-10~100	±0.005~±0.02	0.001	250*200*150	6	180*140	Yes		35	515*450*600
BKD-2006	-20~100	±0.005~±0.02	0.001	250*200*150	6	180*140	Yes		33	423*393*810
BKD-3006	-30~100	±0.005~±0.02	0.001	250*200*150	6	180*140	Yes		33	423*393*810
BKD-4006	-40~100	±0.005~±0.02	0.001	250*200*130	6	180*140	Yes		36	505*480*1015
BKD-0510	-5~100	±0.005~±0.02	0.001	250*200*200	6	180*140	Yes		35	423*393*810
BKD-2010	-20~100	±0.005~±0.02	0.001	250*200*200	6	180*140	Yes		35	423*393*810
BKD-3010	-30~100	±0.005~±0.02	0.001	250*200*200	6	180*140	Yes		35	423*393*810
BKD-1015	-10~100	±0.005~±0.02	0.001	280*250*220	6	235*160	Yes		35	505*480*1015
BKD-2015	-20~100	±0.005~±0.02	0.001	300*250*200	6	235*160	Yes		35	505*480*1015
BKD-3015	-30~100	±0.005~±0.02	0.001	300*250*200	6	235*160	Yes		35	505*480*1015
BKD-1020	-10~100	±0.005~±0.02	0.001	280*250*280	6	235*160	Yes		36	505*480*1015
BKD-0530	-5~100	±0.005~±0.02	0.001	400*325*230	13	310*280	Yes		80	618*540*1090
BKD-1030	-10~100	±0.005~±0.02	0.001	400*325*230	13	310*280	Yes		80	618*540*1090
BKD-2030	-20~100	±0.005~±0.02	0.001	400*325*230	13	310*280	Yes		85	618*540*1090
BKD-3030	-30~100	±0.005~±0.02	0.001	400*325*230	13	310*280	Yes		90	618*540*1090
BKD-3005A	-30~100	±0.005~±0.02	0.001	250*200*120	6	180*140	Yes		33	423*393*810
BKD-2008W	-20~100	±0.005~±0.02	0.001	280*250*140	6	235*160	Yes		36	515*450*600
BKD-1015W	-10~100	±0.005~±0.02	0.001	280*250*220	6	235*160	Yes		36	515*450*600
BKD-3506W	-35~100	±0.005~±0.02	0.001	250*200*150	6	180*140	Yes		36	515*450*600
BKD-3510W	-35~100	±0.005~±0.02	0.001	250*200*200	6	180*140	Yes		36	515*450*600
BKD-0506W	-6~100	±0.005~±0.02	0.001	250*200*150	6	180*140	Yes		36	515*450*600
BKD-4006W	-40~100	±0.005~±0.02	0.001	250*200*130	6	180*140	Yes		36	515*450*600

Oil Bath

Features:

* LED display
* Automatic protection for overheating
* Material:Main body is issteel plate with baking varnish; Internal is imported stainless steel
* Advanced recycle pump system ensures good evenness of temperature(TB-2)

Technical Parameters:

Model	OB-1	OB-2
Temperature Range	RT~300℃	
Temperature Fluctuation	≤1℃	
Temperature Control Precision	≤1℃	
Heating Power	2000W	
Power Supply	110V/220V±10%,50/60HZ	
Circulatory System	None	Have
Circuation Pump Flow Rate	None	6L/min
Workroom Cubage (mm^3)	300*300*280	450*300*280
Package Size(W*D*H)mm	530*460*440	780*460*440
Gross Weight	15kg	40kg

Refrigerated and Heating Circulator

Refrigerated and Heating Circulator can be widely used in oil, physical, chemical, pharmaceutical, environmental protection and other fields of science, precision temperature control equipment.

Application:

Experiment that need heating and cooling, Fermentation Tank, Polarimeter, Refractometer, Spectrophotometer, Electrophoresis System, Chromatographic Column, Viscometer, Rotation Evaporation Instrument, Rheometer.

Features:

* LCD display
* Robust water tank: ultra-slushing and rust-proof
* Low Noise design: use high quality compressor and mute pump.
* Convenience function: Parameters memory function, temperature correction.
* Fuzzy PID temperature control system: control temperature stability accurately and fast.
* Multi-protection: Over-current protection, high and low temperature warning functions, dry-running protection.
* ECO-refrigerant R134a and high quality compressor guarantee the cooling system ecofriendly and powerful
* Compact design, removable venting grid for convenient cleaning to maintain cooling performance and drain off water.

Technical Parameters:

Model	BKL6-05	BKH6-05	BKL6-20	BKH6-20
Working Temp. Range	-5°C ~ 100°C	-5°C ~ 200°C	-20°C ~ 100°C	-20°C ~ 200°C
Temp. Control	PID			
Temp. Stability	±0.03°C			
Temp. Sensor	PT100			
Display Resolution	0.1°C			
Heater Consumption	2000 W			
Cooling Consumption	250W			
Refrigerant	R134a			
Pump Capacity Pressure	0.35bar			
Pump Flow Rate	10L/min			
Ambient Temp.	-20 ~ 70°C			
Filling Volume	6L			
Power Supply	AC220V±10%, 50Hz			
Bath Opening(W*D)	160*160mm			
Bath Dimensions(W*D*H)	320*180*150mm			
External Size(W*D*H)	400*250*650mm			
Package Size(W*D*H)	590*420*900mm			
Gross Weight	42kg			

Vacuum Pump

GM-0.2

GM-0.33II

GM-0.33IIP

GM-0.5

GM-0.5P

GM-0.5II

GM-0.5IIP

GM-1.0

GM-1.0P

Features:

* Oil free, clean exhausted air by built-in filter.
* Automatic cooling exhaust system ensures 24h operation continuously.
* The pressure adjustable design can satisfy a certain range of vacuum and gas velocity.
* TEFLON surface treatment, anti-gas corrosion.
* Orange look for anticorrosive vacuum pump.(eg: GM-0.33IIP, GM-0.5P, GM-0.5IIP, GM-1.0P)

Technical Parameters:

Model	GM-0.20	GM-0.5II	GM-0.5	GM-0.33II	GM-1.0
Pump Head	1	2	1	1	2
Speed of Evacuation	12L/Min	30L/Min	30L/Min	20L/Min	60L/Min
Ultimate Pressure	≥0.075Mpa	≥0.095Mpa	≥0.08Mpa	≥0.08Mpa	≥0.08Mpa
Vacuum	250mbar	50mbar	200mbar	200mbar	200mbar
Pressure	≥30 Psi Positive or negative pressure	Negative pressure	≥30 Positive, Positive or negative pressure	Negative pressure	≥30 Positive, Positive or negative pressure
Inlet	φ6mm	φ6mm	φ6mm	φ6mm	φ6mm
Outlet	φ6mm	Silencer	φ6mm	Silencer	φ6mm
Working Temp.	7-40℃				
Body Temp.	<55℃				
Noise	<60dB			<50dB	
Motor Power Consumption	75W	160W			
Power Supply	AC110/220V±10%, 50/60Hz				
Diaphragm	NBR				
Valves	/	NBR			
Net Weight(kg)	4	10	6.6	6.2	10
Gross Weight(kg)	4.5	11	7.6	7.5	11
External Size(L*W*H) mm	195*98*156	300*120*235	210*160*235	215*120*235	300*160*235
Package Size(L*W*H) mm	330*210*240	314*205*316	300*210*310	315*200*310	380*340*270

Standard Peristaltic Pump SPP-LabN Series

Features:

* 3.2 inch LCD screen displays working parameters in real time.
* Super silent drive setting, precise control, low vibration and low noise.
* Automatical temperature control system, reduce the noise of fan effectively.
* Load-shedding memory function, store parameters in time, safe and reliable.
* Touch keypad control, menu interface, convenient to set the parameters.
* Circuit board spray with three paint, anti-dust, anti-moisture, anti-static, resist corrosion.
* Timing function, the time range is 0.1s - 9999 hours, can be used for simple dispensing function.
* 0~360°back suction angle setting, can avoid the fluid drop off when transferring viscous fluid.
* Strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.
* Nx-CIR circuit system, use imported chips, computing speed fast, reliable performance, working stable.
* Support RS232/RS485 communication interface, MODBUS communication protocol, meet different industrial request.
* Various external control functions, support 0-5V, 0-10V, 4-20mA analog signal control speed, has Nx - EMB - PGM programmable external control function.

Product Composition and Flow Rate Range:

Standard Peristaltic Pump		Model	SPP-LabN1	SPP-LabN3	SPP-LabN6
		Drive&Speed / Tubing	LabN1	LabN3	LabN6
			0.1~150rpm	0.1~350rpm	0.1~600rpm
Pump Head &Flow Rates (ml/min)	YZ1515x	13#, 14#, 19#, 16#, 25#, 17#, 18#	0.007~570	0.007~1330	0.007~2280
	YZ2515x	15#, 24#	0.17~435	0.17~1035	0.17~1740
	MC1~MC12(10)	ID: 0.13~3.17mm Wall Thickness: 0.8~1mm	0.000067~32(sugget working rotating speed less than 150rpm)	/	/
	MC1~MC12(6)		0.00008~45(sugget working rotating speed less than 150rpm)	/	/

Pump Head:

MC1-MC12

YZ1515X/YZ2515X

Drive Technical Parameters:

Drive	LabN1	LabN3	LabN6
Flow Rate Range	0.000067~570ml/min	0.007~1330ml/min	0.007~2280ml/min
Speed Range	0.1~600rpm		
Speed Resolution	0.1rpm		
Flow Rate Accuracy	＜±0.5%		
Outlet Pressure	0.1Mpa (0.86~1.0mm wall thickness tubing) 0.1-0.27Mpa (1.6~2.4mm wall thickness tubing)		
Motor Type	Stepper motor		
Circuit System	Nx-CIR		
Control System	Nx-EMB		
Control Method	Touch keypad		
Display	4.3 inch-industrial grade-true color LCD screen		
External Control Speed Signal	0~5V(standard) 0~10V, 4~20mA(optional)		
Start/Stop Direction Singal	Passive switch signal, such as foot pedal switch Active switch signal: 5V, 12V and 24V for option		
Communication Interface	RS232/RS485 support MODBUS protocol (RTU mode)		
Ambinet Temperature	0~40℃		
Relative Humidity	＜80%		
IP Rate	IP31		
Power Supply	AC110/220V±10%, 50/60Hz		
Consumption	＜50W		
Drive External Size (L*W*H) mm	216.4*157.3*230.7		

Standard Peristaltic Pump SPP-N6 Series

Features:

* Load-shedding memory function.
* Timing test function, time range is 0.5-999 seconds.
* Rotary encoded switch can identify the target speed intelligently.
* Serve motor drive, precise control, strong power, low vibration and low noise.
* N-EMB operation system, embedded software design, powerful function, friendly interface.
* Membrane keypad control: start/stop, direction, timing test, external control mode selection.
* N-CIR circuit system, use imported chips, computing speed fast, reliable performance, working stable.
* Strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.
* Circuit board spray with three paint, anti-dust, anti-moisture, anti-static, resist corrosion.
* 304 stainless steel housing, use seamless welding technology, avoid accidental spilled liquid on the housing infiltrate inside, to protect the inside circuit board.
* DZ25-3L, DZ25-6L, YZ35-PPS pump head, aluminum alloy material, 304 stainless steel rollers, strong rigidity, high accuracy, reliable performance.
* Selectable different external control ways. Analog signals (0-5V, 0-10V, 4-20mA) control speed, switch signal control start/stop and direction.RS232, RS485 communication interface, support MODBUS protocol. Convenient for external control.

Product Composition and Flow Rate Range:

Model	Drive	Motor Type	Pump Head	Tubing Size	Speed Range	Flow Rate Range
SPP-N6-3L	N6-3L	Stepper Motor/ Servo Motor	DZ25-3L	15#、24#、35#、36#	0.1~600rpm	0.211~3600ml/min
SPP-N6-6L	N6-6L	Servo Motor	DZ25-6L	15#、24#、35#、36#		0.3~6000ml/min
SPP-N6-12L	N6-12L		YZ35	26#、73#、82#		0.69~12000ml/min

Pump Head:

DZ25-3L

DZ25-6L

YZ35

Drive Technical Parameters:

Drive	N6-3L	N6-6L	N6-12L
Flow Rate Range	0.211~3600ml/min	3~6000ml/min	0.0069~12l/min
Speed Range	0.1~600rpm		
Speed Resolution	0.1rpm in the range of 0~100rpm; 1rpm in the range of 100~600rpm		
Flow Rate Accuracy	＜±0.5%		
Outlet Pressure	0.3Mpa		
Motor Type	Servo motor		
Circuit System	N-CIR		
Control System	N-EMB		
Control Method	Membrane keypad		
Display	3 digital LED		
External Control Speed Signal	0~5V(standard) 0~10V, 4~20mA(optional)		
Start/Stop Direction Singal	Passive switch signal, such as foot pedal switch Active switch signal: 5V, 12V and 24V for option		
Communication Interface	RS232(standard), N232 communication protocol; RS485(optional) MODBUS protocol (RTU mode)		
Ambinet Temperature	0~40℃		
Relative Humidity	＜80%		
IP Rate	IP31		
Power Supply	AC110/220V±10%, 50/60Hz		
Consumption	＜80W	<180W	<300W
Drive External Size(L*W*H) mm	223*152*168	283*192*218	302*222*275

Dispensing Peristaltic Pump DPP-LabF/F Series

Lab F series

F series

Features:

* Load-shedding memory function.
* Stepper motor drive, control precisely.
* Store 60 commonly used filling modes, save users setting time.
* Automatic temperature control system, reducing the fan noise effectively.
* Online micro adjusting function: adjust the flow rate without stop the pump.
* Back suction angle setting, avoid liquid drop off when the pump stop working.
* ABS engineering plastic housing, resist corrosion, no rust (DPP-LABF Series)
* Fast filling function, not only can be used for washing the tubing, but also can fill liquid to the tubing fast.
* Strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.
* Circuit board spray with three paint, anti-dust, anti-moisture, anti-static, resist corrosion.
* 304 stainless steel housing, resist corrosion, no rust, conform to GMP sanitary request. (DPP-F series)
* F-CIR circuit system all use imported chips, computing fast, reliable performance, working stable.
* Intelligent calibration function, ensure the flow rate accuracy.Suitable for high precision liquid filling.
* 4.3 inch color LCD screen, touch screen control, dynamic display working status, flow volume and motor speed, etc.
* F-EMB operation system, embedded software design, powerful function, friendly interface, attention to users' experience.
* External control start/stop function, it can connect with foot pedal switch, also can be unified controlled by the host computer when working in filling line.
* The dispensing total number counting function, need to clear the numbers by manual, convenient for counting dispensing numbers when manual dispensing.

Product Composition and Flow Rate Range:

Dispensing Peristaltic Pump		Model	DPP-LabF1/DPP-F1	DPP-LabF3/DPP-F3	DPP-LabF6/DPP-F6
		Drive&Speed	LabF1/F1	LabF3/F3	LabF6/F6
		Tubing	1~150rpm	1~350rpm	1~600rpm
Pump Head &Flow Rates (ml/min)	YZ1515x	13#, 14#, 19#, 16#, 25#, 17#, 18#	0.07~570	0.07~1330	0.07~2280
	YZ2515x	15#, 24#	1.7~435	1.7~1035	1.7~1740
	MC1~MC12(10)	ID: 0.13~3.17mm Wall Thickness: 0.86~1mm	0.000166-49(suggest working rotating speed less than 150rpm)	/	/
	MC1~MC12(6)		0.000185-65(suggest working rotating speed less than 150rpm)	/	/

Pump Head:

MC1-MC12

YZ1515X/YZ2515X

Drive Technical Parameters:

Drive	LabF1/F1	LabF3/F3	LabF6/F6
Flow Rate Range	0.00067~570ml/min	0.07~1330ml/min	0.07~2280mL/min
Speed Range	1~600rpm		
Speed Resolution	0.01 rpm		
Flow Rate Accuracy	＜±0.5%		
Motor Type	Stepper motor		
Circuit System	DPP-LabF series: LabF-CIR; DPP-F series: F-CIR		
Control System	DPP-LabF series: LabF-EMB; DPP-F series: F-EMB		
Control Method	Touch screen and membrane keypad		
Display	4.3 inch-industrial grade-true color LCD screen		
External Control Speed Signal	0~5V(standard), 0~10V, 4~20mA(optional)		
Start/Stop, Direction Singal	Passive switch signal, such as foot pedal switch; Active switch signal: 5V, 12V		
Ambinet Temperature	0~40℃		
Relative Humidity	＜80%		
IP Rate	IP31		
Power Supply	AC110/220V±10%, 50/60Hz		
Consumption	＜50W		
Drive External Size (L*W*H) mm	DPP-LabF series: 261.4*157.3*236.9 DPP-F series: 219.6*152*243		
keypad lifetime	300000 times		

Intelligent Flow Rate Peristaltic Pump FPP-LabV/V Series

LabV Series

V Series

Features:

* Timing start and stop function.
* Fixed time and volume function.
* Fixed volume measurement function.
* 304 stainless steel housing, resist corrosion, no rust.（FPP-V series）
* Online micro adjusting function: adjust the flow rate without stop the pump.
* Fast fluid-filled function, can wash the tubing and also fill fluid in the tubing.
* ABS engineering plastic housing, resist corrosion, no rust (FPP-LabV Series)
* Accurate angle control technology, to meet high precision metering and dispensing.
* Load-shedding memory function, store the running parameters in time, safe and reliable.
* 4.3 inch color LCD screen, touch screen control, dynamic display working status, flow volume and motor speed,etc.
* High torque and low power loss, it can load several pump heads or multichannel pump head, meet different application requests.

Product Composition and Flow Rate Range:

Flow Rates Peristaltic Pump		Model	FPP-LabV1/FPP-V1	FPP-LabV3/FPP-V3	FPP-LabV6/FPP-V6
		Drive&Speed / Tubing	LabV1/V1	LabV3/V3	LabV6/V6
			0.1~150rpm	0.1~350rpm	0.1~600rpm
Pump Head &Flow Rates (ml/min)	YZ1515x	13#, 14#, 19#, 16#, 25#, 17#, 18#	0.007~570	0.007~1330	0.007~2280
	YZ2515x	15#, 24#	0.17~435	0.17~1035	0.17~1740
	MC1~MC12(10)	ID: 0.13~3.17mm Wall Thickness: 0.8~1mm	0.000166-49(suggest working rotating speed less than 150rpm)	/	/
	MC1~MC12(6)		0.000185-65(suggest working rotating speed less than 150rpm)	/	/

Pump Head:

MC1-MC12

YZ1515X/YZ2515X

Drive Technical Parameters:

Drive	LabV1/V1	LabV3/V3	LabV6/V6
Flow Rate Range	0.000067~570ml/min	0.007~1330ml/min	0.007~2280ml/min
Speed Range	0.1~600rpm		
Speed Resolution	0.01rpm		
Flow Rate Accuracy	＜±0.5%		
Back Suction Angle	0~360℃		
Outlet Pressure	0.1Mpa(0.86~1.0mm wall thickness tubing) 0.1~0.27Mpa(1.6~2.0mm wall thickness tubing)		
Motor Type	Stepper motor		
Circuit System	FPP-LabV series: LabV-CIR; FPP-V series: V-CIR;		
Control System	N-EMB FPP-LabV series: LabV-EMB; FPP-V series: V-EMB;		
Control Method	Touch screen amd membrance keypad		
Display	4.3 inch-industrial grade-true color LCD screen		
External Control Speed Signal	0~5V, 0~10V, 4~20mA for option		
Start/Stop Direction Singal	Passive switch signal, such as:foot pedal switch Active switch signal: 5V, 12V and 24V for option		
Communication Interface	RS232/RS485 support MODBUS protocol(RTU mode)		
Ambinet Temperature	0~40℃		
Relative Humidity	＜80%		
IP Rate	IP31		
Power Supply	AC110/220V±10%, 50/60Hz		
Consumption	＜50W		
Drive External Size (L*W*H) mm	FPP-LabV series: 216.4*157.3*236.9; FPP-V series: 219.4*152*243		

Intelligent Flow Rate Peristaltic Pump FPP-V6 Series

Features:

* Fixed time and volume.
* Timing start and stop function.
* Servo motor drive, precise control,
* Fixed volume measurement function.
* Load-shedding memory function, store the running parameters in time.
* Online micro adjusting function: adjust the flow rate without stop the pump.
* Automatic temperature control system, reducing the fan noise effectively.
* Circuit board spray with three paint, anti-dust, anti-moisture, anti-static, resist corrosion.
* Unique accurate angle control technology, achieve high accuracy dispensing and dosing.
* Strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.
* V-CIR circuit system, use imported chips, computing speed fast, reliable performance, working stable.
* Fast filling function, not only can be used for washing the tubing, but also can fill liquid to the tubing fast.
* Intelligent calibration function, ensure the flow rate accuracy. Suitable for high precision transferring liquid.
* 4.3 inch color LCD screen, touch screen control, dynamic display working status, flow volume and motor speed,etc.
* V-EMB operation system, embedded software design, powerful function, friendly interface, attention to users' experience.
* DZ25-3L, DZ25-6L, YZ35 pump head, aluminum alloy material, 304 stainless steel rollers, strong rigidity, high accuracy, reliable performance.
* 304 stainless steel housing with seamless welding technology, avoid accidental spilled liquid on the housing infiltrate inside, to protect the inside circuit board.
* Plenty external control function, besides start/stop, direction, speed control, RS485/RS232 communication interface, has V-EMB-PGM programmable external control function.

Product Composition and Flow Rate Range:

Model	Drive	Motor Type	Pump Head	Tubing Size	Speed Range	Flow Rate Range
FPP-V6-3L	V6-3L	Servo Motor	DZ25-3L	15#、24#、35#、36#	0.1~600rpm	0.211~3600ml/min
FPP-V6-6L	V6-6L		DZ25-6L	15#、24#、35#、36#		0.3~6000ml/min
FPP-V6-12L	V6-12L		YZ35	26#、73#、82#		0.69~12000ml/min

Pump Head:

DZ25-3L

YZ35

Drive Technical Parameters:

Drive	V6-3L	V6-6L	V6-12L
Flow Rate Range	0.211~3600ml/min	0.3~6000ml/min	0.00069~12l/min
Speed Range	0.1~600rpm		
Speed Resolution	0.01rpm		
Flow Rate Resolution	0.01ml		
Flow Rate Accuracy	＜±0.5%		
Bac Suction Angle	0~360℃		
Outlet Pressure	0.3Mpa		
Motor Type	Servo motor		
Circuit System	V-CIR		
Control System	V-EMB		
Control Method	Touch screen amd membrance keypad		
External Control Signal	0~5V, 0~10V, 4~20mA		
External Control Speed Signal	0~5V(standard), 0~10V, 4~20mA(optional)		
Start/Stop Direction Singal	Passive switch signal, such as:foot peda Active switch signal: 5V, 12V, 24V for option		
Communication Interface	RS232, RS485 support MODBUS protocol(RTU mode)		
Output Interface	Output motor working status (Open-Collector output)		
Ambinet Temperature	0~40℃		
Relative Humidity	＜80%		
IP Rate	IP31		
Power Supply	AC110/220V±10%, 50/60Hz		
Consumption	＜80W	<180W	<300W
Drive External Size(L*W*H) mm	230*152*230	292*192*274	319*222*331
Weight of drive	5.02kg	7.85kg	13.14kg

Basic Peristaltic Pump BPP-BTM Series

Features:

* Load-shedding memory function.
* Pump heads: YZ1515x, YZ2515x, MC series.
* Pulse rotary encoded switch control speed. Ensure high accuracy of transfer fluid.
* The full and empty key can discharge the air quickly from tubing and fill the fluid.
* Dual CPU control, separating the drive and control, quick operation speed, stable work and high precise transfer.
* High torque and low power loss, connect many pump heads in series or install multichannel pump head for satisfying the different application situations.

Product Composition and Flow Rate Range:

Basic Peristaltic Pump		Model	BPP-BT100M	BPP-BT300M	BPP-BT600M
		Drive&Speed / Tubing	BT100M	BT300M	BT600M
			1~150rpm	1~350rpm	1~600rpm
Pump Head &Flow Rates (ml/min)	YZ1515x	13#, 14#, 19#, 16#, 25#, 17#, 18#	0.07~570	0.07~1330	0.07~2280
	YZ2515x	15#, 24#	1.7~435	1.7~1035	1.7~1740
	MC1~MC12(10)	ID: 0.13~3.17mm Wall Thickness: 0.86~1mm	0.00067~32(suggest working rotating speed less than 150rpm)	/	/
	MC1~MC12(6)		0.0008~45(suggest working rotating speed less than 150rpm)	/	/

Pump Head:

MC1-MC12

YZ1515X/YZ2515X

Drive Technical Parameters:

Drive	BT100M	BT300M	BT600M
Flow Rate Range	0.00067~900ml/min	0.07~1330ml/min	0.07~2280ml/min
Speed Range	1~600rpm		
Speed Resolution	0.1 rpm when the speed is 0~100rpm, 1 rpm when the speed is 100~600rpm		
Flow RateAaccuracy	＜±0.5%		
Outlet Pressure	0.1Mpa (0.86~1.0mm wall thickness tubing); 0.1~0.27Mpa (1.6~2.0mm wall thickness tubing)		
Motor Type	Servo motor		
Circuit System	M-CIR		
Control System	M-EMB		
Display	LED screen		
External Control Speed Signal	0-5V(standard) 0~10V, 4~20mA(option)		
Start/stop Direction Singal	TTL level signal		
Communication Interface	RS485(optional) support MODBUS protocol(RTU mode)		
Ambinet Temperature	0~40℃		
Relative Humidity	＜80%		
IP Rate	IP31		
Power Supply	AC110/220V±10%, 50/60Hz		
Consumption	<50W		
Drive External Size (L*W*H) mm	234*144*140	254*185*149	254*185*149

Safety Storage Cabinet

Features:

* Two-layer anti-fire steel plate with 38mm between two steel plates for insulation.
* Main body material: 1.0mm steel plate painted with epoxy resin.
* Safety: Three-linkage lock. The door has two keys and is available to use padlock which realize safe management of double-locked with two key holders.
* 50mm height anti-leakage liquid tank ensures no liquid overflow.
* Specific warning labels for different kinds of safety storage cabinet.
* Installed with double air vents which are set with anti-fire devices.
* Adjustable anti-leakage shelves.
* An electrostatic grounded conductive port for easy connection to an electrostatic ground wire.

Flammable Chemicals Storage Cabinet

Technical Parameters:

Model	BKSC-4Y	BKSC-12Y	BKSC-22Y	BKSC-30Y	BKSC-45Y	BKSC-60Y	BKSC-90Y
Capacity	4 gallon(15L)	12 gallon(45L)	22 gallon(83L)	30 gallon(114L)	45 gallon(170L)	60 gallon(227L)	90 gallon(340L)
Material	Double-layer anti-fire cold-rolled steel						
Adjustable Shelf	1 pc		3 pcs	1 pc	2 pcs		
Door	Single/Manual			Double/Manual			
External Size (W*D*H) mm	430*430*560	590*460*890	600*460*1650	1090*460*1120	1090*460*1650	860*860*1650	1090*860*1650
Package Size (W*D*H) mm	505*505*585	665*535*915	680*540*1975	1170*540*1260	1170*540*1790	940*940*1790	1170*940*1790
Gross Weight	28kg	50kg	93kg	101kg	138kg	170kg	200kg

BIOBASE series yellow safety cabinet for storing all kinds of flammable materials, with flashing point below 45℃.

Combustible Chemicals Storage Cabinet

Technical Parameters:

Model	BKSC-4R	BKSC-12R	BKSC-22R	BKSC-30R	BKSC-45R	BKSC-60R	BKSC-90R
Capacity	4 gallon(15L)	12 gallon(45L)	22 gallon(83L)	30 gallon(114L)	45 gallon(170L)	60 gallon(227L)	90 gallon(340L)
Material	Double-layer anti-fire cold-rolled steel						
Adjustable Shelf	1 pc		3 pcs	1 pc	2 pcs		
Door	Single/Manual			Double/Manual			
External Size (W*D*H) mm	430*430*560	590*460*890	600*460*1650	1090*460*1120	1090*460*1650	860*860*1650	1090*860*1650
Package Size (W*D*H) mm	505*505*585	665*535*915	680*540*1975	1170*540*1260	1170*540*1790	940*940*1790	1170*940*1790
Gross Weight	28kg	50kg	93kg	101kg	138kg	170kg	200kg

BIOBASE series red safety cabinet for storing various kinds of flammable materials with flashing points above 45℃.

Weak Acid and Alkali Chemicals Storage Cabinet

Technical Parameters:

Model	BKSC-4B	BKSC-12B	BKSC-22B	BKSC-30B	BKSC-45B	BKSC-60B	BKSC-90B
Capacity	4 gallon(15L)	12 gallon(45L)	22 gallon(83L)	30 gallon(114L)	45 gallon(170L)	60 gallon(227L)	90 gallon(340L)
Material	Double-layer anti-fire cold-rolled steel,PP tray						
Adjustable Shelf	1 pc		3 pcs	1 pc	2 pcs		
Door	Single/Manual			Double/Manual			
External Size (W*D*H) mm	430*430*560	590*460*890	600*460*1650	1090*460*1120	1090*460*1650	860*860*1650	1090*860*1650
Package Size (W*D*H) mm	505*505*585	665*535*915	680*540*1975	1170*540*1260	1170*540*1790	940*940*1790	1170*940*1790
Gross Weight	28kg	50kg	93kg	101kg	138kg	170kg	200kg

BIOBASE series blue safety cabinet for storing various kinds of flammable materials with flashing points above 45℃.

Strong Acid & Alkali Storage Cabinet

BABC-4P

BABC-30P

BABC-45P

Features:

* Padlock design.
* Adjustable shelves.
* Anti-corrosive materials for strong acid and alkali.

Technical Parameters:

Model	BABC-4P	BABC-12P	BABC-20P	BABC-28P	BABC-30P	BABC-45P	BABC-60P
Capacity	4 gallon(15L)	12 gallon(45L)	20 gallon(75L)	28 gallon(105L)	30 gallon(114L)	45 gallon(170L)	60 gallon(227L)
Material	pp						
Adjustable shelf	Optional	1 pc			2 pc		
Door	Single/Manual		Double/Manual				
External Size (W*D*H) mm	430*430*560	590*460*890	910*590*890	910*600*900	1090*460*1120	1090*460*1650	860*860*1650
Package Size (W*D*H) mm	515*515*700	675*545*1020	995*675*1020	995*685*1030	1175*545*1250	1175*545*1780	945*945*1780
Gross Weight	15kg	35kg	55kg	60kg	70kg	102kg	115kg

Biological Liquid Nitrogen Container

Liquid Nitrogen Container for Storage and Transportation

LNC-2-30 /LNC-3-50/
LNC-10-50/LNC-10-80

LNC-6-50

LNC-20-50/LNC-20B-50/
LNC-25-50/LNC-35-50/
LNC-35-80/LNC-35B-50/
LNC-35B-80/LNC-50B-50

LNC-15-50/LNC-30-50/
LNC-30-80/LNC-30B-50

Application:

Mainly used for artificial insemination and biological samples storage and transportation

Features:

* More than five years life
* Made of high-strength aluminium alloy
* Adopting advanced powder coating technique

Technical Parameters:

Model		Unit	LNC -2-30	LNC -3-50	LNC -6-50	LNC -10-50	LNC -10-80	LNC -15-50	LNC -20-50	LNC -20B-50	LNC -25-50	LNC -30-50	LNC -30-80	LNC -30B-50	LNC -35-50	LNC -35-80	LNC -35B-50	LNC -35B-80	LNC -50B-50
Capacity		L	2	3	6	10	10	15	20	20	25	31.5	31.5	31.5	35.5	35.5	35.5	35.5	50
Weight Empty		kg	2.8	3.1	4.8	6.1	6.2	8.5	9.5	9.5	10.7	12.9	13	12.9	14.2	14.5	14.2	14.5	17.2
Caliber		mm	30	50	50	50	80	50	50	50	50	50	80	50	80	80	80	80	50
Outer Diameter		mm	223	223	300	300	300	394	394	394	394	462	462	462	462	462	462	462	462
Height		mm	399	435	482	552	557	591	672	672	700	705	709	705	749	753	749	753	810
Static Evaporation Loss		L/d	0.07	0.12	0.12	0.12	0.21	0.11	0.12	0.20	0.14	0.12	0.21	0.20	0.12	0.22	0.20	0.30	0.24
Static Holding Time		d	28	26	52	86	48	134	168	101	180	254	147	159	286	159	179	119	213
Canister	Canister Outer Diameter	mm	19	38	38	38	63	38	38	38	38	38	63	38	38	63	38	63	38
	Canister Height	mm	120	120	120	120	120	120	120/276	120/276	276	120/276	120/276	120/276	120/276	120/276	120/276	120/276	120/276
	Canisters No. (Standard)	pc	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Straw Holding Capacity (120mm Canister) 0.5ml	pc	90	792	792	792	2244	792	792	792	—	792	2244	792	792	2244	792	2244	792
	Straw Holding Capacity (120mm Canister) 0.25ml	pc	204	1788	1788	1788	5022	1788	1788	1788	—	1788	5022	1788	1788	5022	1788	5022	1788
	Straw Holding Capacity (276mm Canister) 0.5ml	pc	—	—	—	—	—	—	1284	1284	1284	1284	3624	1284	1284	3624	1284	3624	1284
	Straw Holding Capacity (276mm Canister) 0.25ml	pc	—	—	—	—	—	—	2832	2832	2832	2832	8460	2832	2832	8460	2832	8460	2832
Accessories	PU Bag	pc	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Lockable Lid	set	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Transport Trolley	set	—	—	—	—	—	—	—	—	—	•	•	•	•	•	•	•	•
	Liquid Nitrogen Temp Monitor	set	•	•	•	•	•	•	•	•	—	•	•	•	•	•	•	•	•
Packing Size(W*D*H)		mm	260*260 *465	270*270 *510	340*340 *555	340*340 *615	340*340 *615	425*425 *655	425*425 *735	425*425 *735	425*425 *765	480*480 *900	480*480 *900	480*480 *900	480*480 *915	480*480 *915	480*480 *915	480*480 *915	480*480 *985
Gross Weight		kg	7	8	10	10.5	10.5	14	14.5	14.5	16	19	19.5	19	20.5	21.5	21.5	21.5	23

Notes: 1. Containers model with letter "B" is the transportation type and the rest are storage type.
2. LNC-2-30 standard with 3 canisters;from LNC-3-50 to LNC-50B-50 standard with 6 canisters,
3.Standard:√ Optinal:• Without this feature:—

Large Caliber Liquid Nitrogen Container

LNC-10-125

LNC-30-125

LNC-65-216

LNC-35-125

LNC-47-127

Application:

Mainly used for artificial insemination and biological samples storage and transportation.

Features:

* More than five years life.
* Made of high-strength aluminium alloy.
* Adopting advanced powder coating technique.

Technical Parameters:

Model			Unit	LNC-10-125	LNC-30-125	LNC-35-125	LNC-47-127
Capacity			L	10	31.5	31.5	47
Weight Empty			kg	6.3	13	13	18.2
Caliber			mm	125	125	125	127
Outer Diameter			mm	300	462	462	508
Height			mm	554	704	704	718
Static Evaporation Loss			L/d	0.42	0.35	0.35	0.36
Static Holding Time			d	24	90	90	130
Rack With 2ml Freezing Tube	Rack		pc	1	6/7	6/7	6/7
	Rack Size		mm	82*84	82*84	82*84	105*100
	Box Size		mm	76*76	76*76	76*76	Φ98
	Layers Per Rack		pc	4	4	4	5
	1.2,1.8,2ml Vial		pc	100	600/700	600/700	1110/1295
Rack With 5ml Freezing Tube	Rack		pc	——	——	——	——
	Rack Size		mm	——	——	——	——
	Box Size		mm	——	——	——	——
	Layers Per Rack		pc	——	——	——	——
	1.2,1.8,2ml Vial		pc	——	——	——	——
Canister	Canister Outer Diameter		pc	97	97	97	97
	Canister Height		pc	120	120	120	276
	Canisters No. (Standard)		pc	1	6	6	6
	Straw Holding Capacity (120ml Canister)	0.5ml	pc	854	5124	5124	——
		0.25ml	pc	1940	11640	11640	——
	Straw Holding Capacity (276ml Canister)	0.5ml	pc	——	——	——	10704
		0.25ml	pc	——	——	——	23604
Accessories		PU Bag	pc	——	√	√	——
		Lockable Lid	set	√	√	√	√
		Transport Trolley	set	——	•	•	•
		Liquid Nitrogen Temp Monitor	set	•	•	•	•
Packing Size(W*D*H)			mm	340*340*615	480*480*900	480*480*900	540*540*890
Gross Weight			kg	15	23	23	32
Note:Standard:√ Optinal:• Without this feature:—							

Technical Parameters:

Model		Unit	LNC-65-216	LNC-95-216	LNC-115-216	LNC-145-216	LNC-175-216
Capacity		L	65	95	115	145	175
Weight Empty		kg	38.3	41.3	42.3	48.9	53.8
Caliber		mm	216	216	216	216	216
Outer Diameter		mm	681	681	681	681	681
Height		mm	712	774	846	946	1060
Static Evaporation Loss		L/d	0.78	0.97	0.94	0.96	0.95
Static Holding Time		d	83	98	122	151	184
Racks With 2ml Freezing Tube (Standard Type)	Rack(Standard/Max)	pc	6/7	6/7	6/7	6/7	6/7
	Rack Size	mm	142*144	142*144	142*144	142*144	142*144
	Box Size	mm	134*134	134*134	134*134	134*134	134*134
	Layers Per Rack	pc	4	5	6	8	10
	1.2,1.8,2ml Vial (Standard/Max)	pc	2400/2800	3000/3500	3600/4200	4800/5600	6000/7000
Racks With 5ml Freezing Tube (Optionl Type)	Rack(Optional)	pc	7	7	7	7	7
	Rack Size	mm	142*144	142*144	142*144	142*144	142*144
	Box Size	mm	134*134	134*134	134*134	134*134	134*134
	Layers Per Rack	pc	2	2	3	4	5
	1.2,1.8,2ml Vial	pc	1134	1134	1701	2268	2835
Accessories	PU Bag	pc	——	——	——	——	——
	Lockable Lid	set	√	√	√	√	√
	Transport Trolley	set	•	•	•	•	•
	Liquid Nitrogen Temp Monitor	set	•	•	•	•	•
Packing Size(W*D*H)		mm	810*810*945	810*810*1005	810*810*1065	810*810*1185	710*710*1150
Gross Weight		kg	60	64	66	73	80
Note:Standard:√ Optinal:• Without this feature:—							

Liquid Nitrogen Dry Shipper

LNC-3-50DS

Application:

Designed for air shipping of the biological samples

Features:

* More than five years life
* Made of high-strength aluminium alloy
* Adopting advanced powder coating technique

Technical Parameters:

Model			Unit	LNC-3-50DS	LNC-6-80DS	LNC-10-125DS	LNC-25-216DS
Effective Capacity			L	1.3	2.9	3.4	9
Weight Empty			Kg	3.2	4.9	6.7	15
Caliber			mm	50	80	125	216
Outer Diameter			mm	223	300	300	394
Height			mm	435	487	554	716
Static Evaporation Loss			L/d	0.16	0.2	0.43	0.89
Static Holding Time			d	20	37	23	29
Effective Shelf Life			d	8	14	8	10
Canister	Canister Outer Diameter		mm	38	63	97	—
	Canister Height		mm	120	120	120	—
	Canisters No.		pc	1	1	1	—
	Straw Holding Capacity(120mm Canister)	0.5 ml	pc	132	374	854	—
		0.25 ml	pc	298	837	1940	—
Rack With Vial Boxes	Rack		pc	—	—	1	1
	Box		mm	—	—	76*76	134*134
	Layers Per Rack		pc	—	—	4	5
	1.2,1.8,2ml Vial		pc	—	—	100	500
25ml Blood Bag	Rack		pc	—	—	1	1
	Stages Per Rack		pc	—	—	1	2
	Boxes Per Stage		pc	—	—	3	15
	Blood Bag Capacity		pc	—	—	3	30
50ml Blood Bag	Rack		pc	—	—	1	1
	Stages Per Rack		pc	—	—	1	1
	Boxes Per Stage		pc	—	—	3	15
	Blood Bag Capacity		pc	—	—	3	15
Accessories	PU Bag		pc	√	√	√	——
	Lockable Lid		set	√	√	√	√
	Liquid Nitrogen Temp Monitor		set	•	•	•	•
Packing Size(W*D*H)			mm	270*270*510	340*340*555	340*340*615	425*425*765
Gross Weight			kg	9	12	19	24
Note:Standard:√ Optinal:• Without this feature:—							

Accessories

Canister

S19(120)/S38(120)/S63(120)/S97(120)

D38(276)/D63(276)/D72(276)/D97(276)

Technical Parameters:

Model	S19(120)	S38(120)	D38(276)	S63(120)	D63(276)	D72(276)	S97(120)	D97(276)
Caliber (mm)	35	50	50	80	80	127	125	125/127
Layer (ea)	Single	Single	Double	Single	Double	Double	Single	Double
Height (mm)	120	120	276	120	276	276	120	276
Canister Outer Diameter	19	38	38	63	63	72	97	97
Application Models	LNC-2-30	LNC-3-50 LNC-6-50 LNC-10-50 LNC-15-50 LNC-20-50 LNC-20B-50 LNC-30-50 LNC-30B-50 LNC-35-50 LNC-35B-50 LNC-50B-50 LNC-3-50DS	LNC-20-50 LNC-20B-50 LNC-25-50 LNC-30-50 LNC-30B-50 LNC-35-50 LNC-35B-50 LNC-50B-50	LNC-10-80 LNC-30-80 LNC-35-80 LNC-35B-80 LNC-6-80DS	LNC-30-80, LNC-35-80, LNC-35B-80	LNC-47-127	LNC-10-125 LNC-30-125 LNC-35-125 LNC-10-125DS	LNC-35-125 LNC-47-127

Rack with Vial Boxes

Y98-37 rack with vial boxes

FTT-25-4/25-5/81-4/
81-5/81-6/81-8/81-10

Technical Parameters:

Model	FTT-25-4	FTT-25-5	FTT-81-4	FTT-81-5	FTT-81-6	FTT-81-8	FTT-81-10	Y98-37
Layer	4	5	4	5	6	8	10	5
Rack Size	82*84	82*84	142*144	142*144	142*144	142*144	142*144	105*100
Box Size	76*76	76*76	134*134	134*134	134*134	134*134	134*134	Φ98
Vial Boxes(R*L)	5*5	5*5	9*9	9*9	9*9	9*9	9*9	37
Application Models	LNC-10-125 LNC-30-125 LNC-10-125DS	LNC-35-125	LNC-65-216	LNC-95-216 LNC-25-216DS	LNC-115-216	LNC-145-216	LNC-175-216	LNC-47-127

Liquid Nitrogen Pump

Features:

* Integrated design for easy operation.
* Discharging the liquid nitrogen fast.
* Two types: hand- operated and foot-operated.

YDB-5

YDB-8

Technical Parameters:

Model	Unit	YDB-5(Hand-operated)		YDB-8(Foot-operated)	
Caliber of the Container	mm	50	80	50	80
Discharge Pressure	≤MPa	0.04	0.04	0.04	0.04
Discharge Speed	L/min	≥5	≥5	≥8	≥8
Liquid Nitrogen Loss	%	≤5	≤2.5	≤2.5	≤2.5
Foot Step Rate	times/min	——	——	60	60
Net Weight	kg	9			
Gross Weight	kg	10.5			

Lid with lock

Level & Temperature monitor

Level Ruler

Trolley

Muffle Furnace

Ceramic Fiber Muffle Furnace

Features:

* External material: cold-rolled steel with anti-bacterial powder coating and internal material: imported high density ceramic fiber. All stainless steel glory hole, make sure the color not change.
* Dual ceramic inner chamber and hollow heat insulation ensure that the temperature can go up quickly. Heating rate is about 60℃/min.
* Automatic parallel pressure door technology ensures the inner chamber temperature evenness and without leakage under the high temperature.
* PID micro digital screen controller, fixing temperature, over-temperature alarming and auto-stop.
* Safety protection measures: thermocouple failure, cut off power automatically when open the door and over temperature protection to avoid accidents occurring.
* Double-shell hollow thermal insulation , the shell not hot and the furnace internal cool quickly.

Technical Parameters:

Model	MC2.5-12	MC5-12	MC10-12
Max Temp.	1200℃		
Temp. Rising Time (Empty/min)	20		
Temp. Accuracy	±1℃		
Capacity(L)	2	7.2	16
Consumption(KW)	2.5	5	6
Power Supply	110/220V±10%,50/60Hz	220V±10%,50/60HZ	220/380V±10%,50/60HZ
Internal Size(W*D*H)mm	200*120*80	300*200*120	400*250*160
External Size(W*D*H)mm	620*412*570	720*522*650	820*584*700
Package Size(W*D*H)mm	700*500*700	810*650*760	900*710*810
Gross Weight(Kg)	45	60	98

Features:

* Program controlling temperature for TP series.
* Heating wire is set in four sides of the furnace, anti-corrosion, prevent contamination.
* Special insulation design, low shell temperature.
* SCR control, PID parameter self-setting;
* Low energy consumption.
* Multiple safety protection design:
  Over-temperature alarm;
  Power off when over-temperature/over-load.
  Manual or automatic switch without interference;
  Built-in parameter password control function.

MX6-10T/TP; MX8-10T/TP; MX16-10T/TP; MX6-12T/TP; MX8-12T/TP;MX8-13T/TP; MX10-13T/TP

MX6-16TP; MX11-16TP; MX6-17TP; MX11-17TP

MX30-10T/TP; MX30-12T/TP

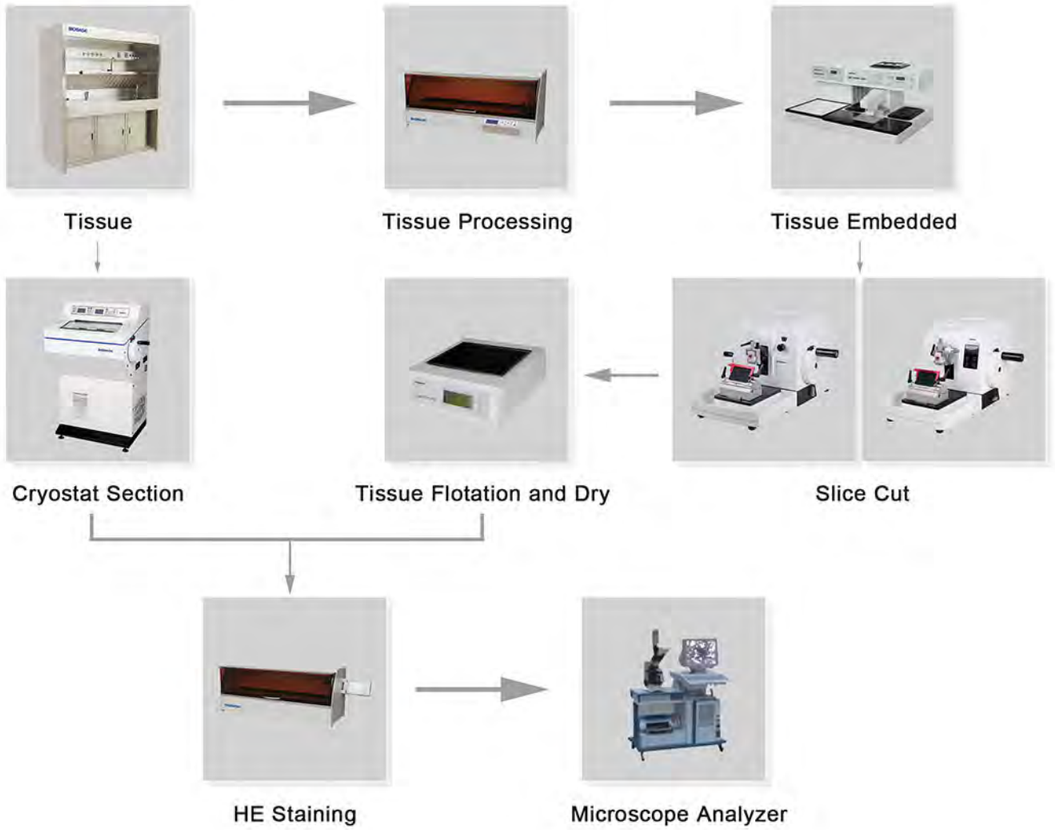
Technical Parameters:

Model		MX6-10T/TP	MX8-10T/TP	MX16-10T/TP	MX30-10T/TP	MX6-12T/TP	MX8-12T/TP	MX30-12T/TP
Max. Temp.(℃)				1000			1200	
Capacity(L)		6	8	16	30	6	8	30
Temp. Accuracy		±1℃						
Consumption(Kw)		2.8	3.5	6	10	2.8	3.5	10
Power Supply		220/380V±10%, 50/60HZ						
Heating Rate		0-30℃/min						
Rising Time(Empty)		30 minutes						
Temp. Uniformity		±6℃						
Material		External material: Cold rolled steel carbon steel spraying Internal material: Ceramic inner chamber						
Heating Element		Nickel chromium alloy wire						
Temp. Control		Intelligent temperature controller						
Optional	Accessory	Observation hole; Exhaust chimney; Furnace bottom plate						
	Functions	Automatically power off once the door is opened; 30 programmable periods						
Internal Size(W*D*H)mm		180*230*150	200*300*120	250*400*160	300*500*200	180*230*150	200*300*120	300*500*200
External Size(W*D*H)mm		480*500*660	500*580*660	550*690*700	770*820*580	480*500*660	500*580*660	770*820*580
Package Size(W*D*H)mm		610*660*870	610*800*870	660*910*870	870*1110*800	610*660*870	610*800*870	870*1110*800
Gross Weight(Kg)		65	75	80	85	65	75	85

Model		MX8-13T/TP	MX10-13T/TP	MX6-16TP	MX11-16TP	MX6-17TP	MX11-17TP
Max. Temp.(℃)		1300		1600		1700	
Capacity(L)		8	10	6	11	6	11
Temp. Accuracy		±1℃					
Consumption(Kw)		4		6	8	6	8
Power Supply		220/380V±10%, 50/60HZ					
Heating Rate		0-30℃/min					
Rising Time(Empty)		30 minutes					
Temp. Uniformity		±6℃					
Material		External material: Cold rolled steel carbon steel spraying Internal material: Ceramic inner chamber					
Heating Element		Nickel chromium alloy wire					
Temp. Control		Intelligent temperature controller					
Optional	Accessory	Observation hole; Exhaust chimney; Furnace bottom plate					
	Functions	Automatically power off once the door is opened; 30 programmable periods					
Internal Size(W*D*H)mm		200*300*120	200*300*180	150*300*120	200*300*180	150*300*120	200*300*180
External Size(W*D*H)mm		630*650*730	600*640*850	650*750*1000	700*750*1200	650*750*1000	700*750*1200
Package Size(W*D*H)mm		710*910*920	770*860*990	800*900*1150	850*900*1350	800*900*1150	850*900*1350
Gross Weight(Kg)		70	75	180	220	180	220

Pathology Lab Equipment

Flow Chart



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Consumables

Cryostat Microtome

Features:

* Low-voltage DC shadowless lamp.
* Heatable and removable glass door.
* Auto sleep function results in longer compressor life.
* Keyboard locking function to avoid accident misoperation.
* A trim button allows easy switching between trim and section mode.
* Counting function for the number of sections and the total thickness.
* Specimen retraction function protects the specimen from blade damage.
* A large-size quick-freezing shelf allows for the preparation of 26 specimens at the same time.
* The desirable section temperature achieves within 20 minutes under fast cooling mode.
* Temperature sensor self-detection function helps to warn the failure on temperature senor.
* The red bar on the blade holder covers the whole length of blade to protect the user and enables easy changing of the blade.
* Microtome is outside of the refrigeration chamber to avoid the effect of heat-expansion and cold-contraction, thus minimizing the need for maintenance.

Technical Parameters:

Model	BK-2318
Section Thickness Range	1~100μm 1~20μm Increments 1μm 20~40μm Increments 2μm 40~100μm Increments 5μm
Trimming Thickness Feed	10 ~ 400μm 10~50μm Increments 5μm 50~100μm Increments 10μm 100~400μm Increments 50μm
Chamber Temperature	-10℃ ~ -40℃
Specimen Head Temperature	-10℃ ~ -40℃
Time to Reach -40℃ of the Quick-freeze Shelf	60min
Lowest Possible Temp. of the Peltier Element	-45℃
Lowest Possible Temp. of the Peltier Element together with Quick-freeze Shelf	≤ -60℃
Display	LCD display of sections and the total thickness, section thickness, specimen retraction value, temperature setting, date, time, temperature and on/off timer
Compressor Number	Double
Refrigeration Type	Forced cryogenic refrigeration system Semiconductor refrigeration can be turned on and off
Defrosting Type	Time-setting defrosting and manual defrosting
Refrigerant	R404A
Running Time of the Peltier Element	15min
Maximum Specimen Size	35mm*35mm
Specimen Vertical Stroke	60mm
Specimen Horizontal Stroke	20mm
Electric Coarse Feed	Rapid 0.7mm/s; Slow 0.35mm/s
Specimen Retraction Distance	0~80μm, in 5μm increments
Consumption	600W
Power Supply	AC220V±10%, 50Hz; AC110V±10%, 60Hz
External Size(W*D*H)	650*804*1160mm
Package Size(W*D*H)	790*790*1370mm
Gross Weight	170kg

Manual Rotary Microtome

BK-2258

BK-2218

BK-2268

Features:

* Large-volume removable waste tray on the top of housing, convenient to use.
* Imported cross-roller guide rails and high precision screw motion mechanism.
* Advanced high-precision micro-drive feed system enables stable and high-precision sectioning.
* Small coarse-advance hand-wheel is close to the operator, in accordance with an ergonomic design.
* The precise positioning system is not only easy to use, but also provides accurate X- and Y- axis adjustment.
* Hand-wheel balance is precisely adjusted and locked at any position, ensuring safety and convenience of sectioning.
* Fast switching between paraffin block clamp and cassette clamp; Paraffin Block Clamp is for Standard Configuration , cassette clam is optional.
* Blade holder can be laterally moved without direct contact, enabling use of the entire length of the blade. (three different segments)
* Cassette clamp can be locked at any position along each of the three axes, enabling easy adjustment of the specimen sectioning angle.
* The red bar on the blade holder covers the whole length of blade to protect the user and enables easy changing of the blade.

Technical Parameters:

Model	BK-2258	BK-2218	BK-2268
Function	Sectioning, trimming, fast forward, fast backward, quick conversion; automatic retraction (Only for BK-2268).		
Specimen Retraction	/	/	60μm (on/off)
Sectioning Thickness Range	0~60μm 0~2μm increment 0.5μm 2~10μm increment 1μm 10~20μm increment 2μm 20~60μm increment 5μm	0~60μm 0~10μm increment 1μm 10~20μm increment 2μm 20~60μm increment 5μm	0~60μm 0~20μm increment 1μm 20~60μm increment 5μm
Trimming Thickness Range	0~60μm	0~60μm	0~60μm
Mini. Sectioning Thickness	0.5μm	1μm	
Max. Specimen Size	50*70mm	60*70mm	70*70mm
Precision	±5%		
Specimen Horizontal Stroke	28mm	29mm	28mm
Specimen Vertical Stroke	52mm	60mm	70mm
Specimen Orientation	XY – 8°		
External Size(W*D*H)	565*440*285mm	570*440*290mm	590*500*330mm
Package Size(W*D*H)	620*530*450mm	620*530*450mm	690*590*500mm
Gross Weight	40kg	40kg	54kg

Automatic and Semi-automatic Microtome

BK-2478 (Semi-automatic)

BK-2488 (Semi-automatic)

BK-2498 (Automatic)

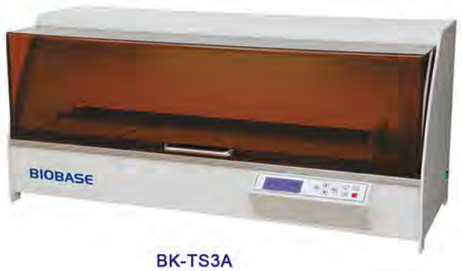
Features:

* Large-volume removable waste tray on the top of housing, convenient to use.
* Imported cross-roller guide rails and high-precision screw motion mechanism.
* Fast switching between paraffin block clamp and cassette clamp.
* Hand-wheel balance can be precisely adjusted and can be locked at any position, ensuring safety and convenience of sectioning.
* Blade holder can be laterally moved without direct contact, enabling use of the entire length of the blade. (three different segments)
* The red bar on the blade holder covers the whole length of blade to protect the user and enables easy change of theblade.
* Automatic sectioning speed is adjustable by gentle button.(BK-2498 only)
* Auto slicing controller ensures trimming and slicing switching easily; When it is off, semi-auto slicing or trimming is available.(BK-2498 only)
* Safety and emergency braking systems.(BK-2498 only) Security alarm systems, driver-overload protection and auto-sleep protection system.(For all 3 models)
* Control system with 3 modes: conventional mode, intelligence sensing mode and whole layer cutting mode.(BK-2488 only)

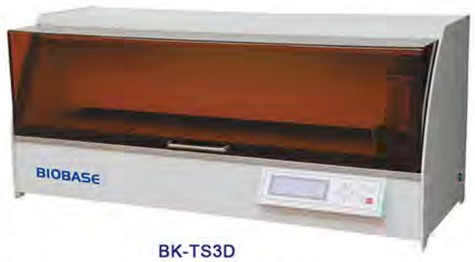
Technical Parameters:

Model	BK-2478	BK-2488	BK-2498
Mode	Semi-automatic without intelligent sensing	Semi-automatic with intelligent sensing	Automatic or Manual Mode without intelligent sensing
Function	Sectioning, trimming, fast forward, fast backward, quick conversion; automatic retraction (except BK-2478).		
Retraction Range	/	0~50μm (If 0 is set, retraction function is off) 5-50 (Retraction distance is optional in this range, and increment is 5μm, such as, 5, 10, 15, 25...)	
Display	LCD Display: sectioning thickness, trimming thickness, slice count.	OLED Display: sectioning thickness, trimming thickness, slice count.	LED display: sectioning thickness, trimming thickness, slice count, slice speed
Sectioning Thickness Range	0~60μm 0~1.0μm increment 0.25μm 1~10μm increment1μm 10~20μm increment 2μm 20~60μm increment 5μm	0.25~100μm 0.25~2.5μm increment 0.25μm 2.5~5μm increment 0.5μm 5.0~10μm increment 1μm 10~30μm increment 2μm 30~60μm increment 5μm 60~100μm increment 10μm	
Trimming Thickness Range	0~60, 0~100, 1~900μm 1~10μm increment 1μm 10~20μm increment 2μm 20~100μm increment 5μm 100~900μm increment 50μm	1~600μm 1~10μm increment 1μm 10~20μm increment 2μm 20~50μm increment 5μm 50~150μm increment 10μm 150~600μm increment 50μm	
Whole Layer Clearance Distance(Only for BK-2488)	10~6000μm (10, 12, 15, 20.....6000, after 15μm, the increment is 5μm)		
Specimen Horizontal Stroke	28mm		
Specimen Vertical Stroke	52mm	70mm	
Specimen Orientation	XY – 8°, rotation 360°	XY – 8°, rotation ±90°	
Mini. Sectioning Thickness	0.25μm		
Max. Specimen Size	50*70mm	70*70mm	
Feed Speed	450um/s	1500μm/s, 3500μm/s	
Precision	±5%		
Standard Accessory	Cassette clamp or Paraffin Block Clamp (Paraffin Block Clamp is acquiescent)		
Consumption	100W		150W
Power Supply	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)	585*410*305mm	575*420*330mm	580*475*340mm
Package Size(W*D*H)	670*550*480mm	670*550*480mm	680*570*500mm
Gross Weight	45kg	45kg	60kg

Automated Tissue Processor



BK-TS3A



BK-TS3D

Features:

* Fully intelligent design, ensure timely automatic determination and recovery from an abnormal event.
* Manual adjustment can be conducted anytime during the programmed automatic operation; afterwards, the system automatically enters the programmed operation.
* Green inner-cycling air purification system to efficiently absorb and remove poisonous gas.
* Automated fan and light control.(BK-TS3D).
* Internal dry heating mechanism with high-precision temperature control.(BK-TS3D).

Technical Parameters:

Model	BK-TS3A	BK-TS3D
Cup Number	12	
Single Cup Capacity	1L	1.8L
Processing Time	Within 0~99 hours for the first cup ; 0~24 hours for other cup	
Paraffin Cup Temp. Range	RT~99℃	RT~80℃
Temp. Precision	1℃	
Dripping Time	0~30s	0~60s
Display	LCD	
Agitation Frequency	2 times/min	0~6 times/min
Environment Temp. Range	0~40℃	
Consumption	500W	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
External Size(W*D*H)	1010*420*450mm	1135*465*490mm
Package Size(W*D*H)	1180*540*560mm	1300*620*640mm
Gross Weight	90kg	109kg

Paraffin Dispenser

Features:

* Microcomputer controller
* Temperature sensors are made in USA, precise and reliable
* Automatically save the last operation settings
* Memory and automatic restoration function
* LED display

Technical Parameters:

Model	BK-PD10
Capacity	10L
Temp. Range	RT ~ 100℃ adjustable
Temp. Precision	±1℃
Consumption	1200W
Power Supply	AC110V/220V±10%, 50/60Hz
External Size(W*D*H)	355*410*540mm
Package Size(W*D*H)	480*450*560mm
Gross Weight	21kg

Tissue Embedding Center & Cooling Plate

BK-TEI

BK-CPI & BK-TEI

Features:

* Microprocessor Control for temperature,made in the USA.
* The Embedding Module and Cooling Module can be assembled freely.
* Flexible heating mechanism, Dual-protection; Safe, Reliable and Energy-Saving.
* Fully programmable computer controls allow automatic system start and stop anytime within a week.
* Automatic Memory and Restoration: After start, all preset temperature data are automatically stored;
* Paraffin Chamber, Paraffin Dispenser, Left and Right Thermal Storage Compartments, and Heating Plate (working area) are individually controlled.

Optional:

BK-CPI Cooling Plate: Working Temp.: RT-40℃， Temp. can not be adjustable. The lowest can be -30℃.
Working Size: 320*300mm

Technical Parameters:

Model		BK-TEI
Paraffin Chamber Capacity		3L
Temp. Range	Forceps Wells	55~70℃
	Paraffin-melting Chamber	
	Thermal Storage Compartments	
	Heated Working Areas	
	Paraffin Dispenser	
Temp. Precision		±1%
Material of Work Table		Granite, easy to clean
Paraffin Flow Control		Finger touch plate and optional foot pedal
Consumption		650W
Power Supply		AC110/220V±10%, 50/60Hz
External Size(W*D*H)		525*550*385mm
Package Size(W*D*H)		630*670*520mm
Gross Weight		41kg
Optional Accessory		BK-CPI Cooling Plate
Package Size of BK-CPI (W*D*H)		700*450*530mm
Gross Weight of BK-CPI		37kg

Tissue Embedding Center & Cooling Plate

Features:

* Low-voltage, safe and bright LED lamp
* Manual and automated operation modes
* Flexible heating mechanism and PID technology
* Trimming plates at both sides for convenient tissue block trimming
* Freezing temperature can be adjusted due to the use of a new-type inverter compressor
* Adjustable gravity-feed paraffin dispenser using latest heating and DC low-voltage control mechanism
* Flexible module configuration options through a design separating Cryo Module from Embedding Module
* Seven working areas are individually controlled and work independently
* A big magnifying glass can be adjusted at any direction and angle, suitable for embedding extremely small tissue specimens

BK-TE II

BK-CP II & BK-TE II

Optional: BK-CP II Cooling Plate

Temp. Range of Cryo Module: +5℃ ~ -20℃
Optimal Work Temp.: approximately -10℃~-15℃, and the temperature is under delay protection

Technical Parameters:

Model	BK-TE II
Paraffin Chamber Capacity	≥6L
Temp. Ranges	RT ~ 85℃
Temp.Precision	1%
Paraffin Flow Control	Finger touch plate and foot pedal
Display	LED
Size of Paraffin Chamber(W*D*H)	495*132*95mm
Thermal Storage Chamber Size(W*D*H)	240*160*55mm
Embedding Module Working size	540*93mm
Small Cold Plate Size	60*50mm
Consumption	1000W
Power Supply	AC110V/220V±10%, 50/60Hz
External Size(W*D*H)	675*575*395mm
Package Size(W*D*H)	780*700*550mm
Gross Weight	54kg
Optional Accessory	BK-CP II Cooling Plate
Cryo Module Size	315*380mm
Package Size of BK-CP II (W*D*H)	790*480*560mm
Gross Weight of BK-CP II	38.5kg

Paraffin Trimmer

Features:

* Microcomputer controller
* Temperature sensors are made in USA, precise and reliable
* Automatically save the last operational settings
* Memory and automatic restoration function
* LED display

Technical Parameters:

Model	BK-PT230
Working Area	230*160mm
Temp. Range	RT ~ 90℃ adjustable
Temp. Precision	±1℃
Consumption	150W
Power Supply	AC110V/220V±10%, 50/60Hz
Standard Accessories	5 Waste paraffin collection boxes
External Size(W*D*H)	255*180*155mm
Package Size(W*D*H)	330*260*230mm
Gross Weight	3kg

Tissue Flotation Water Bath

Features:

* Automatic memory and restoration functions.
* Temperature measured by temperature-sensing integrated blocks.
* Surface material characterized by its strong resistance to abrasion and corrosion.
* Using a new-type high-thermal-conductivity heating element PID-controlled.(BK-TFII)

Technical Parameters:

Model	BK-TFI	BK-TFII
Temp. Range	RT to 90℃	
Temp. Precision	1℃	
Environmental Temp. Range	0~40℃	
Bath Bowl Size(W*D*H)	240*180*50mm	260*220*65mm
Display	LED	LCD
Consumption	200W	
Power Supply	AC220V±10%, 50/60Hz; AC110V±10%, 60Hz	
External Size(W*D*H)	360*350*120mm	425*350*130mm
Package Size(W*D*H)	410*410*190mm	530*470*235mm
Gross Weight	5.5kg	6.5kg

BK-TFI

BK-TFII

Slides Dryer(Hot Plate)

Features:

* Automatic memory and restoration functions.
* Temperature measured by temperature-sensing integrated blocks.
* Surface material characterized by its strong resistance to abrasion and corrosion.

Technical Parameters:

Model	BK-SDI	BK-SDII
Temp. Range	RT to 90℃	
Temp. Precision	1℃	
Environmental Temp. Range	0~40℃	
Drying Area	340*325mm	340*380mm
Display	LED	LCD
Consumption	200W	350W
Power Supply	AC220V±10%, 50/60Hz; AC110V±10%, 60Hz	
External Size(W*D*H)	360*350*120mm	420*350*130mm
Package Size(W*D*H)	410*410*190mm	
Gross Weight	6.2kg	6.8kg

BK-SDI

BK-SDII

Fully Automated Tissue/Slide Stainer

BK-TS1

BK-TS3

Features:

* Imported high-quality parts, smooth operation, low noise, ergonomic design.
* Intelligent automatic water influx/efflux/drainage control system.
* Green inner-cycling air purification system remove poisonous gas.(BK-TS1)
* 4 sets editable programs can be queried on line.(BK-TS1)
* Real-time visual simulation with icons displays working status dynamically, clearly and intuitively.(BK-TS1)
* Small footprint can be placed near the sectioning area for optimal workflow.(BK-TS3)
* The APS-coated sturdy housing, resistance to corrosion.(BK-TS3)
* The slide rack can be optionally stopped either above or submerged in cup based on user's selection after the staining process ends.(BK-TS3)
* Operation error alarm.

Technical Parameters:

Model	BK-TS1	BK-TS3
Display	LCD touch screen	
Cup Number	18 (Station 1 is for drying Station 10 is for washing)	15 (Station 1 is for drying, station 2 is for washing, other 13 stations for reagents)
Single Cup Capacity	750ml	350ml
Each Cup Processing Time	Adjustable within 1 hour	
Slides Processed Simultaneously	52 slides	24 slides
Dripping Time	Adjustable within 0~30s (shakes above cup)	Adjustable within 0~60s (shakes 0~6times/min adjustable)
Consumption	500W	400W
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Packing Size(W*D*H)	1300*540*590mm	1060*370*400mm
Gross Weight	98kg	47kg

Slides Cabinet

Paraffin Block Cabinet BKC-PB450

Slide Cabinet BKC-S400

Slide Storage Cabinet BKC-SS450

Technical Parameters:

Model		BKC-S400	BKC-PB450	BKC-SS450
Capacity		72 Drawers (12 layers*6 grid, plus a base) Loading: 760*72=54720 pcs glass slides	18 Drawers (3 layers*6 grid, plus a base) Loading: 12000 pcs glass slides	18 Drawers (3 layers*6 grid, plus a base) Loading: 4464 or 8928 pcs glass slides
Material	Cabinet	Cold-rolled steel plate. Surface Treatment: Degrease oil, Table regulator, Zinc parkerising , Passivation, Powder spraying		
	Drawer	Specialized slide drawer, ABS slide plate		
	Slot	Made by special mold		
	Mark Groove	Integration forming		
External Size(W*D*H)		403*478*1625mm	450*478*1295mm	450*478*1295mm
Package Size(W*D*H)		570*490*430mm(1-3 layers) 570*490*430mm(4-6 layers) 570*490*430mm(7-9 layers) 570*490*560mm (10-12 layers+Base stand)	550*520*440mm(1st layer) 550*520*440mm(2nd layer) 550*520*570mm (3rd layer+Base stand)	550*520*440mm(1st layer) 550*520*440mm(2nd layer) 550*520*570mm (3rd layer+Base stand)
Gross Weight		110kg	82kg	80kg

Portable Vein Finder

Application:

It can assist the medical staff to find and locate veins quickly and accurately during venous transfusion. It has a significant help in patients with vascular positioning difficulties, such as young children, obesity, swollen tissue, hairy skin, dark skin, hypovolemia, etc.

Features:

* Compact and lightweight, can grasp a hand;
* Two kinds of imaging modes: blue & white, red & green, one-click switching freely;
* Without support, without environmental restrictions on use;
* Image performance optimization, adjustable brightness, high accurate;
* Medical cold light, safe for your eyes.

Technical Parameters:

Model	BKVD-260
Suggested Projection Distance	290~310mm
Light Projection	300~1000lux
Light Wavelength	750~980nm
Battery	Rechargeable lithium battery
Power Supply	D.C. 3.0~4.2V
Battery Working Time	≥ 1hour
Package Size(W*D*H)	220*180*140mm
Gross Weight	2kg

Portable Vein Finder

BKVD-300 main unit

Fixed stand

Mobile stand

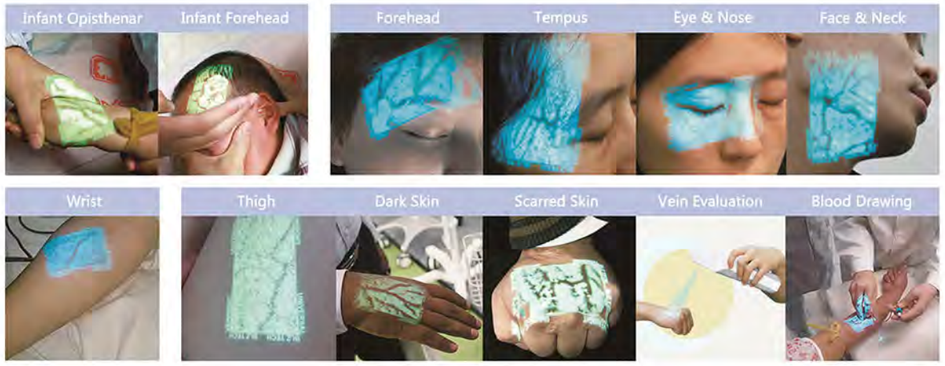
Features:

* Color: 2 colors adjustable.
* Brightness: 3 degree brightness adjustable.
* Inverse: Allows clinicians to highlight the veins or the surrounding tissue.

Technical Parameters:

Model		BKVD-300
Light Type		Near-infrared light
Infrared Wavelength		850 nm
Image Resolution		720*480
Visible Vein Size		≥ 1 mm
Accuracy		0.25 mm
Depth of Visible Vein		≤ 12 mm
Best Projection Distance		200 ± 20 mm
Image Frame Rate		20 FPS
LED Lifetime		20000 hours
Battery		Lithium-ion Battery, 3.6V, 4300mAh
Battery Working Time		4 hours
Operating Mode		Handheld or Suspension
Optional Accessory		Fixed support, Mobile support
External Size(W*D*H)mm		240*60*60
Package Size (W*D*H)mm	Main Unit	300*210120
	Fixed Support	720*180*130
	Mobile Support	600*600*150
Gross Weight(kg)	Main Unit	1.5
	Fixed Support	1.5
	Mobile Support	6.5

Portable Vein Finder



Application:

Vein Illuminator projects near-infrared(no radiation) light which is absorbed by blood and reflected by surrounding tissue, and this information is captured and processed, finally projected in real time directly on the surface of the skin. It provides a real time accurate image of the patient's superficial pattern on the skin of patient.

Features:

Color

Color: 5 colors adjustable.

Brightness

Brightness: 3 degree brightness adjustable.

Size

Size: 3 kinds of image sizes.

Mode

Mode: Normal model and Enhanced mode.

Inverse

Inverse: Allows clinicians to highlight the veins or the surrounding tissue.

BKVD-400 main unit | Fixed support | Mobile support

Technical Parameters:

Model		BKVD-400
Light Type		Near-infrared light
Infrared Wavelength		850nm
Image Resolution		720*480
Visible Vein Size		≥ 1mm
Accuracy		0.25mm
Depth of Visible Vein		≤ 12mm
Best Projection Distance		200 ± 20mm
Image Frame Rate		20 FPS
LED Lifetime		20000 hours
Battery		Lithium-ion Battery, 3.6V, 4300mAh
Battery Working Time		5 hours
Battery Charging Time		3 hours
Operating Mode		Handheld or Suspension
Standard Accessory		battery (1pcs), charging base
Optional Accessory		Fixed support, Mobile support
External Size(W*D*H)mm		240*60*60
Package Size (W*D*H)mm	Main Unit	290*270*160
	Fixed Support	720*180*130
	Mobile Support	600*600*150
Gross Weight(kg)	Main Unit	1.5
	Fixed Support	1.5
	Mobile Support	6.5

Vein Finder

Application:

It is suitable for neonatology department, pediatrics department, internal medicine, obstetrics, gynecology, rehabilitation, acupuncture, emergency room, operating room, oncology, laboratory, injection department, ICU, PICU/NICU etc. Any department which needs venipuncture can use vein imaging device.

Features:

* With narrow band infrared light source, no damage to human body, no radiation, no heat, no harm to eyes;
* The 3 million pixels camera, can display the magnified image clearly and provide reference for the accurate puncture;
* With two road top and bottom light source: bottom light source adopts the German original high-power LED solid-state light source, strong penetrability; top light source is multipoint LED, no shadow, no reflected light interference, suitable for observing the superficial blood vessels;
* Both of the light sources are stepless adjustable;
* The industrial grade camera and display provide best imaging.

BKVD-1201M

BKVD-1201

BKVD-1202E

BKVD-1202 BKVD-1202L

Technical Parameters:

Model	BKVD-1201M	BKVD-1201	BKVD-1202E	BKVD-1202	BKVD-1202L
Wavelength Range	750~950nm				
Light Source Intensity	Stepless adjustable				
Camera Resolution	> 480 TVL		> 600 TVL		
Camera Illuminance	0.01 Lux				
S/R	50 dB				
Lens	3 mega-pixel		2 mega-pixel	3 mega-pixel	5 mega-pixel
Display	5.5″ LCD	7″ LCD	6.5″ LCD	8.4″ LCD	
LCD Contrast	600:1		700:1		
Screen	\		180 ° folding, 360° Rotory		
Venous depth	\		Venous depth Remind		
Power Supply	AC110/220V±10%, 50/60 Hz,				
Package Size(L*W*H)	600*450*450mm				
Gross Weight	8kg	10kg	13kg	14 kg	

Blood Collection Chair

Features:

* Manual or electric control type for your choice.
* Made of high-strength fiber material and poly-layer paint, more durable, easy to clean;
* Designed with people-oriented idea, to meet the donor's sense of security and comfort, to alleviate the psychological pressure, to ensure an easier and enjoyable process.
* Mattress using a high-quality medical polyurethane foam molding leather, easy for clean and maintenance, anti-static and anti-fouling properties superior to other similar products.

Technical Parameters:

Model	BK-BC100	BK-BC100A
Seat Section Size(mm)	1800*580	
Seat Section Height(mm)	500	
Backing Board Turning Angle	20°~70°	
Chair Backward and Forward Tilt Angle	8°~15°	
Leg Plate Turning Angle	20°~75°	
Handrail Swing Out Angle	0°~30°	0°~45°
Handrail's Moving Distance	100mm	
Handrail Board Size	450*160mm	500*160mm
Lifting Speed	No	3~25mm/s
Power Supply	No	AC110/220V±10%, 50/60Hz
Reading Lamp Power	No	60W
Standard Accessories	Hand operation, handrail rack, small table	
Optional Accessories	LED hose-type reading lamp; movable assistant desk; soft velvet cover	
Load Capacity	160kg	
Packing Size(W*D*H)	1300*780*1330mm	
Gross Weight	65kg	71kg

Please note the package size is same for 1 unit or 2 units. For 2 units, the gross weight is 115kg for BK-BC100 and 127kg for BK-BC100A.

Blood Collection Monitor

BCM-12A

BCM-12B

Features:

* Unique modern sensor and LED display.
* Preset volume of blood collection function.
* Taring and calibrating function, ensure measuring accuracy.
* Soft shaking mode, improving the survival of effective components in the blood.
* Shaking auto stops when bags are taken away during collection and restart working after bags are remounted.
* If collection volume is preset, the balance will stop shaking when there is 10ml gap and get into accurate measuring status.
* Automatic alarm when reaching the preset value.
* Humanization design and reasonable structure is convenient for operation.

Technical Parameters:

Model	BCM-12A	BCM-12B
Measuring Range	0~1200ml	
Measuring Accuracy	2%	
Display Accuracy	1ml	
Liquid Proportion	1.05g/ml	
Collection Speed	0.5~3ml/s	
Swing Frequency	30~32 r/min	
Swing Angle	13±2°	
Alarm	Audio and visual alarm	Audio and visual alarm with interrupter
Interrupter Thrust	——	≤14N
Consumption	12W	40W
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm	218*172*160	275*230*210
Packing Size(W*D*H)mm	310*260*210	350*270*260
Net/Gross Weight(kg)	2.8/4.1	3.3/4.6

Blood Bag Tube Sealer

Application:

The blood bag tube sealer is a compact equipment to seal the blood bags, infusion bags, urine bags by high frequency sealing system. It's widely used in blood-bank, hospital, biological industry, etc.

Features:

* No hemolysis.
* With suction feet to avoid moving, can be used in blood collecting vehicle.

Technical Parameters:

Model	BK-BTS1
Sealing time	0.8~1.2s
Sealing type	Automatic
Diameter of tube	Ø2-6mm (tube wall thickness≤1mm)
Power Supply	AC110V/220V±10%, 50/60HZ
External Size (W*D*H)	320*180*130mm
Package Size (W*D*H)	410*210*210mm
Net/Gross Weight	5kg/6kg

Blood Plasma Extractor

Application:

Plasma Extractor is designed to extract blood component from centrifuged bags. It is widely used in hospital, blood station, etc. After the plasma layering, different components of blood can be extruded from top to bottom by the pressure of plasma-separating clip.

Features:

* Manual system.
* Easy to observe the separation of the plasma and red blood cells.

Technical Parameters:

Model	BPE-I
Clamping Force	20N
Applicable Blood Bag	100ml, 200ml, 300ml, 400ml
Material	Stainless Steel
External Size(W*D*H)	165*250*250mm
Package Size(W*D* H)	310*310*240mm
Net/Gross Weight	2.5kg/2.8kg

Blood Thaw Machine

Application:

Blood thaw machine is used for thawing or warming blood components packed in plastic bags such as frozen plasma, erythrocyte concentrate and whole blood.

Features:

* Stainless steel chamber and fences, decomposable water tank.
* With automatic drying function, reducing the immersion time.
* With over temperature alarm and automatic power-off function.
* Water circulation system ensures finish thawing procedure rapidly.
* Built-in dual thermometer detection, alarm for exceeding temperature range 36.5~38℃.
* With temperature control and sensing system to achieve a high temperature-control accuracy.
* Optional scanning bar code function.

BTM-6

BTM-12/24

Scanning bar code (Optional)

Swing type

Basic type

Isolated water type

Technical Parameters:

Model	BTM-6	BTM-12	BTM-24
Blood Bags (50-200ml)	Max.6 pcs	Max.12 pcs	Max.24 pcs
Water Storage	20 Kg±5%	58 Kg±5%	98 Kg±5%
Thaw type	Swing	Standard:Basic type Optional:Swing type and isolated water type	
Temp. Range	36.5~38℃		
Temp. Accuracy	±0.2℃	±0.1℃	
Thawing Time	10~15min	8~10min	
Consumption	1KW	2KW	3.6KW
Power Supply	AC220V, 50/60Hz		
External Size (W*D*H)	550*500*475mm	600*540*970mm	720*600*990mm
Package Size (W*D*H)	750*700*680mm	800*750*1200mm	900*800*1200mm
Gross Weight	40kg	70kg	100kg

Automatic Medical Sealer

Spray carbon steel

304 stainless steel

Features:

* Auto-control function, continuous operation; substitution of manual sealing machine;
* Microcomputer Temperature controller, accuracy ±1%, working temperature range 60~220℃;
* Fast heating, 40 seconds required from room temperature to 180℃;
* Adjustable fixed-force system, suitable for sealing paper-plastic bags, 3D paper-plastic bags and paper-paper bags;
* Advanced flat ceramic heating components, high-temperature stability, long life expectancy and high heat efficiency.

Technical Parameters:

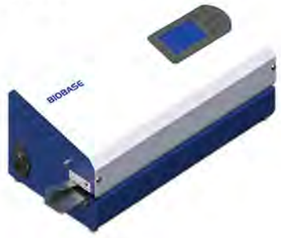
Model	MS100-L
Seal Speed	10m/min
Seal Width	12mm
Seal Margin	0~35mm adjustable
Display	LED or LCD screen
Machine shell material	Spray carbon steel or 304 stainless steel
Consumption	500W
Power Supply	AC110/220V±10%, 50/60Hz
External Size（W*D*H）	480*240*150mm
Packing Size（W*D*H）	560*360*240mm
Gross Weight	13kg

Printing Medical Sealer

Features:

* Temperature controlled by a microcomputer, accuracy ±1%, working temperature range is 60～220℃;
* Automatic fault detection and alarm;
* Fast heating, 40 seconds required from room temperature to 180℃;
* Automatic temperature reduction operated by a fan connected to temperature control system, reducing the waiting time;
* Adjustable fixed-force system, suitable for sealing 3D paper-plastic bags and paper-plastic bags of any sickness;
* Advanced flat ceramic heating components, high-temperature stability, long life expectancy and high heat efficiency.

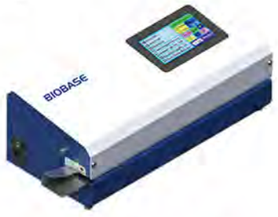
MS101-PD



Spray carbon steel

304 stainless steel

MS101-T



Spray carbon steel

304 stainless steel

Printing System Features:

* Print function can be disabled or partially activated;
* Sterilizing and expire date auto adjust; Automatic faults alarm display during working;
* Adjustable character font and style, easy to print more information on narrower bags;
* The system provides the required minimum width of the bag based on the content of print, easier for users to define the print content or select appropriate bag; Auto alarm when width is insufficient.

Technical Parameters:

Model	MS101-PD	MS101-T
Seal Speed	10m/min	
Seal Width	12mm	
Seal Margin	0~35mm adjustable	
Display	4.3" color LCD screen	7 "color LCD touch screen
Machine shell material	Spray carbon steel or 304 stainless steel	
Consumption	500W	
Power Supply	AC110/220V±10%, 50/60Hz	
Optional Function	No	Dual-line printing, Handwritten input
External Size（W*D*H）	560*260*220mm	
Packing Size（W*D*H）	660*360*320mm	
Gross Weight	19kg	

Disintegration Tester

Disintegration tester is used for detecting disintegration of solids under prescriptive conditions.

Features:

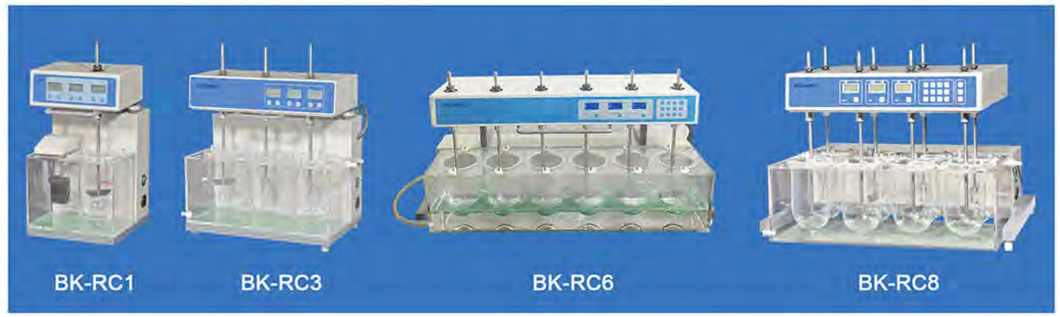
* Auto-diagnose, auto-alarm.
* Stainless steel basket and paddle.
* Micro processor and LCD Display.
* Each beaker can work alone.
* Water circulating in the bath to keep the temperature conformity with magnetic pump.

Technical Parameters:

Model	BK-BJ1	BK-BJ2	BK-BJ3
Basket	1pc	2 pcs	3 pcs
Beaker Capacity	1000ml		
Speed Range	30~32rpm		
Basket Lifting Height	55±1mm		
Minimum Spacing	25±2mm		
Mesh Size	Standard 2mm		
Temp. Range	RT~50℃		
Temp. Precision	±0.3℃		
Timing Range	1~900min		
Time Precision	±0.5min		
Working Time	>24h		
Power Consumption	600W		
Power Supply	AC220V/110V±10%, 50/60HZ		
External Size (W*D*H) mm	260*300*440	400*320*440	540*320*440
Package Size (W*D*H) mm	390*360*520	490*410*520	660*410*530
Gross Weight (kg)	12	18.5	23

Dissolution Tester

Dissolution tester is used for detecting pharmic dissolution from tablet, capsule etc. in prescriptive menstruum.



Features:

* Auto-diagnose, auto-alarm.
* Stainless steel basket and paddle.
* Micro processor and LCD Display.
* The head part of the instrument can be turned over smoothly and flexibly(Rise and fall for BK-RC8).
* Water circulating in the bath to keep the temperature conformity with magnetic pump.

Technical Parameters:

Model	BK-RC1	BK-RC3	BK-RC6	BK-RC8
Basket	1 pc	3 pcs	6 pcs	8 pcs
Speed Range	20~200rpm			
Speed Precision	±2rpm			
Temp. Range	RT +45.0℃			
Temp. Precision	±0.3℃			
Timing Range	5~900min	5~900min	1~999min	1~999min
Time Precision	±0.5min			
Working Time	>24h			
Paddle Swing Amplitude	±0.5mm			
Basket Swing Amplitude	±1.0mm			
Power Consumption	600W	600W	1200W	1200W
Power Supply	AC110/220V±10%, 50/60Hz			
External Size(W*D*H)mm	260*300*480	510*300*480	960*320*480	680*540*480
Package Size (W*D*H)mm	560*410*590	780*420*560	1230*510*590	1010*680*580
Gross Weight(kg)	18.5	28.5	47	91

Tablet Friability Tester

It is used for detecting friability/abrasion of tablet.

Features:

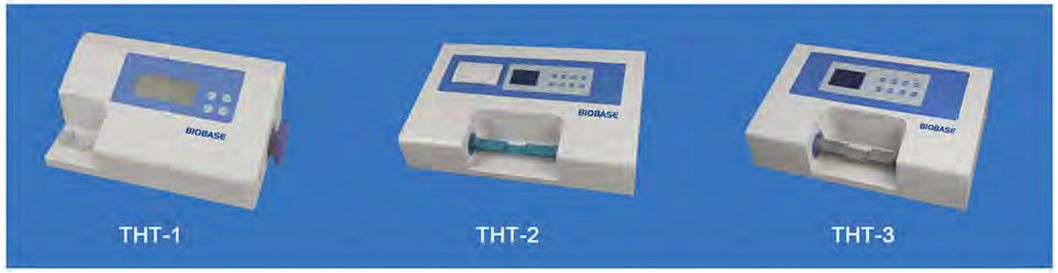
* Automation: auto-test, auto-diagnose, auto-alarm.
* Intelligently control the rotating speed of cylinder and revolutions.
* One drum runs synchronously. Auto stop at timing point. (only for TFT-4)
* Single path and double cylinder, synchronous operation and automatic stop.
* The revolution of the drum can be preset at any time, either preset or real data is displayed on the LCD.
* Microprocessor unit is used to control all operations, high accuracy is achieved in testing rotary speed and circle number.

Technical Parameters:

Model	TFT-1	TFT-2	TFT-3	TFT-4
Cylinder Number	2			1
Cylinder Radius	Φ286			
Cylinder Depth	39mm			
Tablet Fall Height	156mm			
Rotating Speed	20~100rpm	25rpm		
Rotation Count	5~900 turns	100 turns	5~900 turns	20~900 turns
Consumption	40W	20W		40W
Power Supply	AC110/220V±10%, 50/60Hz			
External Size(W*D*H)mm	370*300*340			300*200*340
Package Size(W*D*H)mm	440*400*525			410*295*430
Gross Weight(kg)	12			8

Tablet Hardness Tester

Tablet hardness tester is used to measure the crushing hardness of tablets.



Features:

* LCD Display. High-precision pressure sensor ensures the precision and reproducibility of test.
* Easy operation: Manual loading and manual tablet compressing for THT-1, manual single tablet and automatic continuation for THT-2/3.
* Automatic display, automatic latching, automatic reset, automatic cycle test, automatic linear error correction and automatic fault diagnosis.
* Unit conversion function, can realize the conversion before or after the tests.
* Strong data processing ability; statistics, analysis, printing and display are available for test result. (only for THT-2)
* Built-in printer. (only for THT-2)

Technical Parameters:

Model	THT-1	THT-2	THT-3
Test Range	2~296N(0.2~20kg)	2~200N/500N(0.2~20kg)	
Resolution	0.1N 0.01kg		
Accuracy	±0.5%		
Probe Procession Range	2~30mm	2~40mm	
Consumption	10W	40W	
Power Supply	AC110/220V±10%, 50/60Hz		
Dimensions(W*D*H)mm	280*180*110	500*400*160	400*240*140
Package Size(W*D*H)mm	420*300*230	600*350*250	500*350*250
Gross Weight(kg)	6	12	10

Thaw Tester

BTT-1 and BTT-4B thawing time limit tester is used to inspect the condition of thawing, softening or dissolution of solid preparations such as suppositories or vaginal tablets under the prescribed conditions.

Features:

* LCD Display
* Three-beaker, three-path, three-path synchronization. Manual overturn for BTT-1, automatic overturn for BTT-4B.
* Transparent sleeve, stainless steel net racks.
* Automatic temperature control, automatic time keeping.
* Timing overturn indication forecast and fault alarm. (only for BTT-4B)
* Magnetic water pump circulating water flow uniform heat system is adopted, and bath temperature is uniform.
* Double-functional head which can lift and descend electrically and turn over manually. (only for BTT-4B)

Technical Parameters:

Model	BTT-1	BTT-4B
Number of Sleeve	3 pieces	
Hyaline Sleeve Inner Size	Φ52*H60mm	
The Net Frame of Stainless Steel	2 pieces/diameter 50mm/each 39 holes of 4mm	
Automatic Time Range	10~900min	
Time Precision	±0.5min	
Temperature Control Range	20~45°C	
Temperature Control Precision	±0.5°C	
Volume of Beaker	5L*3	
Power Supply	AC110/220v±10%, 50/60Hz	
Package Size(W*D*H) mm	770*510*830	770*510*620
Gross Weight(kg)	45	62

Melting Point Tester

Melting point tester adopts capillary tube as sample tube and liquid temperature transfer mode prescribed in Pharmacopoeia. It is suitable for testing melting points of pharmaceutical, chemical reagents, spices, dye etc.

Features:

* Equipped with thermo sensitive mini printer.
* Automatic magnetic stirring system, oil bath temperature is uniform.
* High-precision temperature sensor, can correct non-linear error automatically.
* Automation: automatic measurement, automatic diagnosis and automatic alarm.
* Full-automatic frequency converting control, has high temperature control precision and small linear error of heating rate.

Technical Parameters:

Model	MPTD-1
Melting Point Test Range	RT ~ 270ºC
Heating Rate	four levels: 0.5ºC/min; 1ºC/min; 1.5ºC/min; 3.0ºC/min
Deviation of Linear Heating Rate	<5%
Temperature Transfer Medium	Methyl silicone oil
Liquid Cup for Temperature Transfer	250ml beaker in tall form
Melting Point Test Precision	±0.5ºC, Melting Point < 200ºC ±1.0ºC, Melting Point ≥ 200ºC
Indicating Value Resolution	0.1 ºC
Operational Environment Temperature	18ºC~28ºC
Interface	Standard serial printing interface, with micro-printer.
Power Supply	AC110/220V±10%, 50/60Hz
Dimensions(W*D*H)mm	200*320*305
Packing Size(W*D*H)mm	410*295*430
Gross Weight(kg)	8

Tablet Four-usage Tester

Four function: test hardness of tablet, friability/abrasion, disintegration and dissolution rate. It is a very ideal multi-purpose drug test instrument.

Features:

* Auto-control, auto-detection, auto-diagnosis and auto-alarm.
* Auto-temperature control and high temperature control precision.
* Auto-time control and auto-timing shutdown.
* Auto-display, auto-latching, auto-reset and auto-cyclic test.
* Automatic control of friability and high control precision for cylinder rotation speed and number of turns.
* Hardness high-precision pressure sensor, digital display of hardness value.
* Continuous measurement of tablet hardness value, manual tablet feeding, motor control and automatic compression.
* Two-path disintegration operates at the same time, automatic timing shutdown.
* Imported SUS316 stainless steel is adopted for dissolution rotation baskets and paddle rods, etc.

Technical Parameters:

Model	TFUT-3
Temperature Range	(20~40℃)±0.3℃
Speed Range	(20~200rpm)±2rpm
Automatic Time Range	(1~900min)±0.5min
Stations of Dissolution	3
Paddle Radial Run-out	±0.5mm
Basket Radial Run-out	±1.0mm
Basket Assemblies	2
Nacelle Back and Forth Frequency	(30~32)times/min
Nacelle Back and Forth Range	(55±2)mm
Drum	1
Drum's Inner Size	Φ286*H39mm
Tablet Fall Height	156mm
Rotating Speed	(25±1)times/min
Rotating Count	(100±1)turns
Hardness Range	(25~199)±1N
Diameter Range	(3~40)mm
Power Supply	AC110/220V±10%, 50/60Hz
DimensionsW*D*H)mm	520*380*470
Packing Size(W*D*H)mm	700*440*680
Gross Weight(kg)	45

Clarity Tester

It tests clarity of injection and bottled medicine liquid.

CT-1

CT-2

Features:

* Flash eliminated. Illumination is adjustable.
* Time and alarm automatically. Test continuously.
* CT-1 is one side for one operator. CT-2 are two sides for two operators.
* The three-primary-color fluorescent lamp is controlled by good lighting sensor, electronic inductor and shading.

Technical Parameters:

Model	CT-1	CT-2
Lamp	Three-primary-color fluorescent lamp	
Illumination Range	1000~6000LUX	
Time Range	1~99s	
Consumption	30W	
Power Supply	AC110/220V±10%, 50/60Hz	
Package Size(W*D*H) mm	735*260*595	
Gross Weight(kg)	14	

Gelatin Gel Strength Test System

Gel strength test system is mainly used to measure the gel strength of gelatin under the stipulated environment.
It consists of: 1. Jelly Strength Tester; 2. Constant Temperature Bath; 3. Refrigerator

Features:

* High-definition LCD Display.
* Powerful data processing ability: submit mean value, final value or peak value automatically.
* Four kinds of sampling measurement modes: single-step, maintaining, circulating and automatic.
* Automatic measurement mode can help you obtain the value of gel strength faster, more accurately and more realistically.
* 5 kinds of sampling speeds: 0.1mm/s, 0.2mm/s, 0.5mm/s, 1mm/s and 2mm/s.
* Sampling depth can be preset arbitrarily (1~60mm).
* Professional high-precision pressure sensor.
* High-precision mechanical drive matches with 4-class shockproof design
* Automatic correction of non-linear error, automatic fault diagnosis alarm, automatic outrange protection and automatic error correction prompt.

Technical Parameters:

Model	GGST-2
Test Range	5~1000 Bloom g
Test Accuracy Range	±0.3%
Resolution	1Bloom g
Travel	1-60mm
Travel Accuracy	≤±0.1mm
Measured Diameter of Cylinder	12.700±0.010mm
Standard Gel Strength Bottle(diameter*height)	59*85mm, 150ml
Consumption	60W
Power Supply	AC110/220V±10%, 50/60Hz
Overall Dimensions(W*D*H)mm	260*260*450
Package Size(W*D*H)mm	405*360*530
Gross Weight(kg)	12

Laboratory Test Sieve

Application:

BK-TS200 lab test sieve is suitable for particles distribution analysis. It is primarily used to determine particle size distribution for particles, powder and liquid in laboratory and quality control department.

Screen sieve(optional)

Features:

* Screen mesh size range: from 4 mesh to 500 mesh.
* Timing range: 0~99min59s, time can be set from seconds to hours freely.
* Typically requires 50~150g of sample material.

Technical Parameters:

Model	BK-TS200	BK-TS300
Working Layer	1~8 layers	
Screen Mesh Size	10, 20, 50, 80, 100 mesh etc. as required	
Diameter	200mm	300mm
Material	Stainless steel 304	
Timing Range	0~99min59s	
Speed	1400r/min	
Power Consumption	120W	
Power Supply	AC110/220V±10%, 60/50Hz	
Standard Accessory	Lid and Base	
External Size(W*D*H)	400*330*370mm	
Package Size(W*D*H)	540*490*460mm	
Gross Weight	47kg	

Medicine Stability Test Chamber

Application Range:

This equipment provides a long time stable environment of temperature, humidity and illumination for the pharmaceutical industry medicine invalidation evaluation. It's applied in the medicine accelerating test, growth test, high humidity test and high illuminance test.

Features:

* P.I.D accurate and reliable temperature and humidity control.
* Built-in fan to form air circulation and improve temperature uniformity inside the cabinet.
* Built-in water tank and automatic water replenishment interface, when there is no humidification water, automatically disconnect the heater power.
* 50 pre-set programs for the pharmaceuticals application.
* Standard Accessory include:USB port.
* Optional:Printer,External temperature protection device.

Technical Parameters:

Model	BJPX-MS120A	BJPX-MS288A	BJPX-MS500A
Display	7' LCD		
Capacity	122L	288L	504L
Temp. Range	-20~65°C		
Temp.Fluctuation	± 0.5°C		
Temp.Uniformity	± 2°C		
Humidity Control Range	40~95% RH		
Humidity Fluctuation	±3% RH		
Illuminationation	4500 Lux,4 level adjustable ,1-side illumination		
Shelves	2 pcs adjustable		
Timing Range	1~99 hour		
Refrigeration System	R134a refrigerant CFC- free		
Alarm	High or low temperature/humidity ,sensor &systerm failure		
Optional	UV disinfection system		
Consumption	2100W	2600W	3500W
Power Supply	AC220V±10%,50/60Hz		
Chamber Size(W*D*H)	450*450*600mm	600*600*800mm	700*800*900mm
External Size (W*D*H)	600*950*1570mm	750*1100*1770mm	850*1300*1870mm
Packing Size(W*D*H)	750*1080*1760mm	950*1160*1940mm	1000*1460*2050mm
Gross Weight	138kg	168kg	250kg

Medicine Stability Test Chamber(Economic Type)

Features:

* P.I.D accurate and reliable temperature and humidity control.
* Built-in fan to form air circulation and improve temperature uniformity inside the cabinet.
* Built-in water tank and automatic water replenishment interface, when there is no humidification water, automatically disconnect the heater power.
* Standard Accessory include:Micro thermal printer.
* Optional:USB port, Stylus printer ,External temperature protection device.

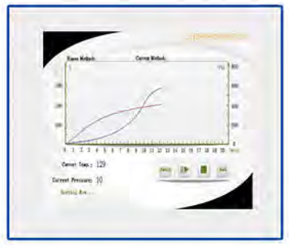
Technical Parameters:

Model	BJPX-MS250	BJPX-MS300	BJPX-MS400
Display	3.7' LCD		
Capacity	255L	298L	403L
Temp. Range	0~65°C		
Temp. Fluctuation	± 0.5°C		
Temp. Uniformity	± 2°C		
Humidity Control Range	40~95% RH (Depends on temperature, beyond 10°C)		
Humidity Fluctuation	±3% RH		
Illuminance	6000Lux, 5 level adjustable, 1-side illumination		
Shelves	2 pcs adjustable		
Timing Range	1~99 hour		
Refrigeration System	R134a refrigerant,refrigerant CFC- free		
Alarm	High or low temperature/humidity ,sensor &systerm failure		
Consumption	2400W	2900W	3400W
Power Supply	AC220V±10%, 50/60Hz		
Chamber Size(W*D*H)	470*460*1180mm	490*475*1280mm	560*600*1200mm
External Size (W*D*H)	665*880*1820mm	685*895*1920mm	755*1020*1840mm
Packing Size(W*D*H)	1010*800*1990mm	1040*790*2090mm	1140*870*2040mm
Gross Weight	158kg	178kg	200kg

Digester

Microwave Digester

Parts:



Description:

BIOBASE Microwave Digester System adopts the international advanced double magnetron frequency microwave heating system and realizes the high-power microwave balanced magnetic field safety heating.
It is widely used in food, textile, plastic, geological, metallurgical, coal, biological medicine, petroleum chemical industry, environmental monitoring, sewage treatment, battery manufacturing, cosmetics, etc.

Features:

* Double magnetron variable frequency control system.
* High accuracy pressure sensor.
* 7" LCD color touch screen display the temperature and pressure curve in real time.
* Built-in prestored methods and other programmable methods.
* Optical fiber temperature control system.
* Multiple safety protection function.

* It has more than ten safety protection measures to ensure experiment safety, including temperature control system, pressure control system, explosion-proof security doors, thicken cavity with multi-layer TEFLON coating, High-power exhaust system, program with suspend or start at any time. Ladder-style control temperature system, the material is TFM for the vessel and aerospace composite material for the vessel cover, the vessel cap with PFA and the pressure shrapnel use PEEK.
* Video monitoring function for the BMD-1 model.

Technical Parameters:

Model	BMD-1	BMD-2
Cavity	48L Resonant Cavity	
Teflon Coating	10 layers	8 layers
Digestion Method	50 preinstalled methods, programmable 100 methods	20 preinstalled methods, programmable 50 methods
Max. Temp.	305℃	
Temp. Accuracy	±1℃	
Pressure Accuracy	±0.01Mpa	
Temperature Sensor	Optical Fiber Sensor	
Vessel Pressure Capacity	80Mpa	75Mpa
Vessel Quantity	12 Vessels	10 Vessels
Vessel Volume	100ml	
Microwave Cavity Material	SS316 with 10 layers Telflon	SS316 with 8 layers Telflon
Cooling Method	Forced air cooling	
Interface	USB, RS232	/
Consumption	1600W	
Power Supply	AC220V±10%, 50Hz	
External Size(W*D*H)	520*593*660mm	
Package Size(W*D*H)	830*900*970mm	
Gross Weight	107kg	

Microwave Digester

Features

* All-steel industrial grade chamber, anti-corrosion and durable use.
* Aerospace composite fiber outer vessel, anti-explosion and anti-corrosion.
* Multi-functional safety bolt design, instead of safety membrane and other consumables.
* Precise pressure controlled by piezoelectric crystal without cross-contamination problem.

Technical Parameters:

Model	BMD-E1
Temp. Range	0~300℃
Temp. Accuracy	±1℃
Pressure Range	0~10Mpa
Pressure Accuracy	±0.01Mpa
Temperature Sensor	High-precision platinum resistor temperature sensor
Pressure Sensor	Piezoelectric crystal pressure sensor
Display	LCD display
Vessel Quantity	Standard 6 Vessels
Vessel Volume	100ml
Vessel Material	Aerospace composite fiber for outer Vessel, Modified TFM material for inner Vessel
Chamber Exhaust System	High-power anti-corrosion axial fan, exhaust speed: 3.1 m3/min
Digestion Method	Internal software, up to 20 methods can be stored
Consumption	1000W
Power Supply	AC220V±10%, 50/60Hz
External Size(W*D*H)	450*515*510mm
Package Size(W*D*H)	Main Body: 700*670*685mm; Accessory: 490*420*320mm
Gross Weight	Main Body: 61kg; Accessory: 9kg

Graphite Digester

Application:

BGD-420F Graphite Digester adopts globally advanced high-temperature infrared radiation heating technology and microprocessor control platform, accurate temperature control and quick temperature rise. It has two kinds of temperature rise mode: linear and curve temperature rise mode, and offers 20 digestion programs for control of temperature rise curves.

Features:

* Anti-corrosion design: TEFLON coating on the surface, acid/alkali proof.
* Heating uniform and fast: Adopt graphite block(antioxidant), heating faster and energy transfer faster, temperature between holes more uniform.
* Safety protection: adopt unique air duct insulation tech, keep the temperature ultralow, protect operator

Technical Parameters:

Model	BGD-420F
Temperature Range	RT +5 - 450℃
Temperature Accuracy	±1℃(450℃)
Heating Method	Infrared heating and high-purity graphite conduction
Digestion Tube Capacity	300ml
Max. Capacity	20pcs/batch
Power Supply	AC 220 V±10%, 50HZ
Power Consumption	3600W
External Size(W*D*H)	474*509*636mm
Package Size(W*D*H)	540*570*830mm
Gross Weight	44kg

Semi Automatic Kjeldahl Nitrogen Analyzer (Kjeldahl Distiller)

Features for BKN-984:

* 4.3 inch LCD display.
* Manual/automatic mode can be switched freely.
* Tubes and pipes automatic emptying.
* Automatic accurate distribute alkali and boric acid solution.
* Automatic fault detection function, audio and visual alarm system.
* Multi-protection function, such as safety door, tube position protection, cooling water testing protection, etc.

BKN-984

Fully Automatic Kjeldahl Nitrogen Analyzer

Features for BKN-110F and BKN-986:

* Large LCD touch screen.
* Colorimetric titration device.
* Sample method can be edited and stored.
* Automatic distillation, titration, calculation, printing, drain and cleaning function.
* Dual distillation mode, can adjust the sequence of solution adding.
* Standard built-in printer, optional USB and RS-485 interface for BKN-110F Model.

BKN-110F/BKN-986

Technical Parameters:

Model	BKN-984	BKN-110F	BKN-986
Water Consumption	1.5L/Min		
Ambient Temperature	5 ~40℃		
Ambient Humidity	80%		
Measure Range	0.1mg~200mg		
Analysis Time	5~10min		
Recovery Ratio	≥99.5%		
Sample Amount	Solid ≤6g; Liquid ≤16ml	Solid ≤ 5g; Liquid ≤20ml	
Burette Accuracy	/	1.0μL/step	2μL/step
Reproducibility	/	±0.5%	
Consumption	2000W		
Power Supply	AC110/220V±10%, 50/60Hz		
Packing Size (W*D*H)	655*528*880mm	Main body: 585*525*900mm Accessories: 605*600*355mm	Main body: 585*525*905mm Accessories: 600*600*360mm
Gross Weight	45kg	Main body: 52.7kg, Accessories: 12.5kg	Main body: 50.3kg, Accessories: 13.4kg

Functions List	BKN-984	BKN-110F	BKN-986
Variable Steam Generator	•	•	•
Cooling Water Pressure Monitor	•	•	•
Cooling Water Temperature Monitor		•	•
Automatic Alkali Solution Adding	•	•	•
Automatic Dilute Water	•	•	•
Auto Receiver Solution Adding	•	•	•
Tube Emptying	•	•	•
Removable Drain Tray	•	•	•
Safety Door	•	•	•
Tube on Position Sensor	•	•	
Tube Replacement Sensor	•	•	
Colorimetric Titration Device		•	•
Results Calculation		•	•
Result and Data Storing		•	•
Built-in Printer		•	
Trouble Shooting Self-detecting Functions	•	•	•
Titration While Distillation		•	

Kjeldahl Digestion Furnace

Technical Parameters:

Model	BKD-20F
Temp.Range	RT+5~450℃
Temp.Accuracy	±1℃
Heating Method	Infrared heating and high-purity graphite conduction
Heating Insulation Method	Ceramic fiber and unique air duct insulation
Digestion Tube Capacity	300ml
Capacity/Batch	20 pcs/batch
Consumption	3600W
Power Supply	AC110/220V±10%,50/60Hz
Packing Size(W*D*H)	650*540*470mm
Gross Weight	33kg

GCH-03 Gas Collection Hood

Features:

* Using PFA sealing cap, longer life, dealing effect well
* Clip-on sealing cap, easy for changing
* Specialized water jet vacuum pump is adopted, don't need electric power
* Drip tray design, reduce corrosion damage from acid solutions
* Package Size: 530*350*290mm
* Gross Weight: 8kg

Exhaust System Scrubber

Features:

* The anti-corrosion processed vacuum pump with low noise, large suction, low waste gas exhausting and power saving function
* Unique efficient neutralization device expand the contact area between gas and solutions. It is available for acid gas neutralizing, absorbing, and letting the operating environment safety.
* The triangle filtration system including water filtration, alkali neutralizing and activated carbon filtration. It has perfect neutralizing and absorbing function, can neutralize acid mist and reacting gas which is generated from Kjeldahl processing or any other processing.
* PTFE anti-corrosion design of the pipe system enhance equipment's life.
* Negative pressure is adjustable, let operation flexibly.

Technical Parameters:

Model	ES402
Max. Flow Rate	3m³/H
Max. Negative Pressure	0.05MPa
Neutralization Methods	Water, Alkali and Carbon
External Size(W*D*H)	390*340*550mm
Packing Size(W*D*H)	570*440*665mm
Gross Weight	30.9kg

Semi Automatic Kjeldahl Nitrogen Analyzer (Kjeldahl Distiller)

Features:

* 6 inch LCD display.
* Manual/automatic mode can be switched freely.
* Siemens control system, with high precision and stability.
* 10 groups of programs, meet the demand of different customers.
* Automatic control of adding alkali and boric acid solution, dilution and elution.
* Multi-protection function, such as safety door, overpressure protection, water shortage protection, etc.

Technical Parameters:

Model	BKN-983
Measuring Range	0.1~250mgN
Recovery Ratio	≥99.5%
Repeatability	±0.5%
Sample Amount	Solid＜6g; liquid＜16ml
Distillation Speed	3~4min/sample
Distillation Time	0~999s
Cooling Water Consumption	1.2-3L/min
Requirement of Cooling Water	＜18℃
Consumption	2000W
Power Supply	AC220V, 50/60Hz
Packing Size(W*D*H)	510*460*710mm
Gross Weight	32.6kg

BKN-983

Fully Automatic Kjeldahl Nitrogen Analyzer

Features:

* Large LCD touch screen.
* Siemens control system, with high precision and stability.
* Alkali solution could be added repeatedly in the process of distillation.
* Multi-protection function,such as safety door, overpressure protection, water shortage protection,etc.

Additional Features of BKN-987A:

* It could show the titration curve.
* One key to wash the alkali liquor pipes.
* Automatically discharge the waste in the digestive tubes.

BKN-987/A

Technical Parameters:

Model	BKN-987	BKN-987A
Working Process	Adding quantitative sample dilution, alkali liquor and absorption liquid; Automatically finishing distillation, titration, print and liquid-discharging.	
Measurement Range	0.1~240mgN	
Sample Amount	Solid＜6g; liquid＜16ml	
Measurement Time	4~6 minutes	
Titration Precision	0.75μL/step	
Requirement of Cooling Water	＜ 18℃	
Cooling Water Consumption	1.5L/min (Distillation process)	
Titration Solution Concentration	Direct titration samples with 4 titration concentrations of 0.1mol, 0.5mol and 1mol	
Titration System	High-precision plunger type titration system	High-precision peristaltic titration system
Repeatability	±0.5%	
Recovery Ratio	≥99.5%	
Data Storage	140,000 groups	
Consumption	2000w	
Power Supply	AC220V, 50/60Hz	
Packing Size (W*D*H)	510*460*710mm	
Gross Weight	36.4kg	39.8kg

Kjeldahl Digestion Furnace

Technical Parameters:

Model	BKD-8B
Temp.Range	RT~400℃
Temp. Precision	±1℃
Heating Pipe	Aluminium alloy pipe (Nichrome wire)
Heating Speed	20℃/min
Heating Holes	8
Digestion Tube Size	250ml±0.25ml
Consumption	2KW
Power Supply	AC220V, 50/60Hz
Packing size(W*D*H)	660*500*295mm
Gross weight	20kg

Anaerobic Jar

Features:

* Excellent airtight performance, avoiding any undue leakage
* PMMA material, extremely smooth surface, shock and impact resistant
* Jar and lid are both transparent, sealing between lid and jar consists of an excellent quality O-ring
* Strong jar-lid-clamp construction, guarantee the overall airtight performance
* Colored stainless steel clamp with power electrostatic painting, durable and convenient for experimental management
* Adopting quick snap-shut coupling, enabling quick connection to the system in one swift move

BK-AJH Series

BK-AJG Series

Technical Parameters:

BK-AJH Series Pumping Type Jar: 3 to 5 minutes every time

Model	Contents	Petri Dish Holder	Packing Size(L*W*H)	Gross Weight
BK-AJH015	1stack of 6 dishes (φ9-10cm)	15R	245*215*295mm	2.3kg
	ø =130mm, h=150mm; 1.5liter			
BK-AJH025	1stack of 12 dishes (φ9-10cm)	25R	245*215*395mm	2.8kg
	ø =130mm, h=240mm; 2.5liter			
BK-AJH035	1stack of 18 dishes (φ9-10cm)	15/25R	245*215*495mm	3.3kg
	ø =130mm, h=330mm; 3.5liter			
BK-AJH050	3 stacks of 6 dishes (φ9-10cm)	3/25R	370*370*340mm	5.9kg
	ø =240mm, h=120mm; 5liter			
BK-AJH070	3 stacks of 8 dishes (φ9-10cm)	3/25R	370*370*370mm	6.3kg
	ø =240mm, h=160mm; 7liter			
BK-AJH100	3 stacks of 12 dishes (φ9-10cm)	3/25R	370*370*470mm	7.3kg
	ø =240mm, h=230mm; 10liter			

BK-AJG Series Hermetic Type Jar: About 4 hours every time

Model	Contents	Petri Dish Holder	Packing Size(L*W*H)	Gross Weight
BK-AJG015	1stack of 6 dishes (φ9-10cm)	15R	245*215*295mm	2.0kg
BK-AJG025	1stack of 12 dishes (φ9-10cm)	25R	245*215*395mm	2.5kg
BK-AJG035	1stack of 18dishes (φ9-10cm)	15/25R	245*215*495mm	3.0kg
BK-AJG050	3 stacks of 6 dishes (φ9-10cm)	3/15R	370*370*340mm	5.6kg
BK-AJG070	3 stacks of 8 dishes (φ9-10cm)	3/15R	370*370*370mm	6.0kg
BK-AJG100	3 stacks of 12 dishes (φ9-10cm)	3/25R	370*370*470mm	7.0kg

Manifolds Vacuum Filtration

Product Introduction:

* It is convenient to filtrate several samples at the same time.
* 316L stainless steel holder, corrosion resistance, acid and alkali resistance.
* Each holder has individual control valve, so one vacuum pump can support operations of single and multi-branch manifold filter.
* It can be widely used in chemistry analysis, pharmaceutical, sanitation test, water quality analysis, science research fields and so on.

Standard Accessory:

* Lid
* Stainless steel valve
* Clamp of aluminum alloy
* 316L stainless steel holder
* Glass funnel (300ml) / 316L stainless steel funnel (300ml)
* Borosilicate glass filter head / 316L stainless steel filter head

Technical Parameters:

Model	Type	Funnel	Support Screen&Pore Size	Connection	Holder	Package Size(W*D*H)	G.W.
MVF-1G	1-branch	Glass	PTFE, 20μm	Ground Joint	SS316	270*230*130mm	3kg
MVF-1S		SS316	SS316,100μm	Integral, SS316	SS316	270*230*130mm	3kg
MVF-3G	3-branch	Glass	PTFE, 20μm	Ground Joint	SS316	480*260*130mm	6kg
MVF-3S		SS316	SS316,100μm	Integral, SS316	SS316	480*260*130mm	6kg
MVF-6G	6-branch	Glass	PTFE, 20μm	Ground Joint	SS316	900*260*130mm	11kg
MVF-6S		SS316	SS316,100μm	Integral, SS316	SS316	900*260*130mm	12kg

Solvent Filtration Apparatus

Applications:

Solvent filter is a regular device of chemistry lab, it is indispensable equipment for HPLC analysis. This device can also be used in instrumental analysis, sanitary inspection, pharmaceutical industry, pesticide liquid filtration, petroleum, environmental monitoring fields. It can monitor and remove the particles and bacteria in the liquid.

Features:

* It is made of high quality toughened glass.
* With good press-resistance and leakproofness, it could be used for sterilizing at high temperature of 121℃.
* The PTFE type is acid and alkali resistant, corrosion resistant, can filter all kinds of aqueous solution, organic solution and corrosive liquid.

Standard Accessory:

Solvent Filter system consists of solvent filter

Filter Include:

* Triangle fluid bottle
* Core filter head
* Filter bowl
* Clamp
* Dust cover
* Rubber hose
* Hose linker

Technical Parameters:

Model	Funnel	Pore Size of Filter	Material Support Screen	Receiving Bottle	Membrane
SFA-50.1L	300ml	10μm	Pyrex glass	1000ml	Φ47 or Φ50mm
SFA-50.2L	500ml	10μm	Pyrex glass	2000ml	Φ60mm
SFA-50.PT	300ml	20μm	PTFE	1000ml	Φ47 or Φ50mm

Bacterial Colony Counter

Application:

Widely used for bacilli inspection of food, drink, medicine, biological, make-up, health products, water for drink, domestic sewage, and industrial water.

Features:

* CMOS integrated circuit and LED digital display.
* The special probe counts sensitively and accurately.
* It is composed by counter, probe and count pond, etc.
* The magnification is variable by adjusting the flectional arm.

Technical Parameters:

Model	BC-50
Phonetic Counting	No
Amplification	5X, 10X
Counter Range	Standard: 0 ~ 999; Optional: 0~9999
Suitable Petri Dishes	＜Φ110mm
Character Height	13mm
Lamp Power	16W
Power Supply	AC110/220V, 50/60Hz
External Size(W*D*H)	255*180*110mm
Package Size(W*D*H)	380*290*360mm
Net Weight	1.7kg
Gross Weight	3kg

Biological Air Sampler

Application:

It is designed according to the principle of multi jet holes particle impact and isokinetic sampling. And it gets the consistence of animalcule more accurately. It is an ideal air biological sampler for medicine plant, hospital, biological products, food machining, public place, etc.

BK-BAS-IV

BK-BAS-V

Features:

* Sampling hole has many small holes to reduce particles superposition and reduce error of animalcule count.
* Programmable, sampling quantity can be set from 0.01 to 6.0m³ (BK-BAS-IV), 0.01 to 9.0m³ (BK-BAS-V).
* LCD screen displays sampling quantity, sampling time, etc.
* Sampling time can be set automatically.
* Up to 256 samples data storage of sampling time, sampling volume and other parameters.
* Easy to change petri dish, just only take down sampling hole to change petri dish. (Diameter: Φ90*15mm)

Technical Parameters:

Model	BK-BAS-IV	BK-BAS-V
Sampling Volume	100L/min	
Flow Velocity of	0.4m/s	0.38m/s
Sampling Holes	Basically the same as the clean room(Isokinetic sampling)	
Material	Aviation aluminum	SUS304 stainless steel
Structure	Microprocessor control, low noise pump sampling	
Rechargeable Battery	DC7.4V/6800mAh	DC14.8V/5000mAh
Operating Time on Battery	6~8h	
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm	120*195*300	235*220*180
Package Size(W*D*H)mm	190*380*420	400*380*220
Net Weight(kg)	2.5	4.8
Gross Weight(kg)	6	8.5

Carbon & Sulfur Analyzer

BK-CSA5

Introductions:

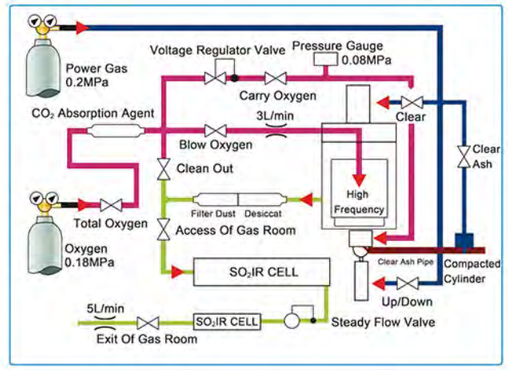
High-frequency Infrared Carbon & Sulfur Analyzer can determine the percentage of carbon and sulfur in steel, iron, alloy, nonferrous metal, cement, mineral, glass and other material.

Technical Parameters:

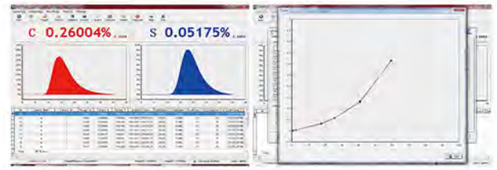
Working Principle	High-frequency inductive combustion and infrared absorption system
Sample Weight (Solid steel)	Standard 0.5g
Accuracy	C/S: 0.1ppm
Analysis Time	20-100s adjustable (normally: 35s)
Working Cycle	24 hours

The difference between BK-CSA5 and BK-CSA6:

Model	BK-CSA5	BK-CSA6
Appearance	Desktop detector, with desktop high-frequency furnace, save space	Separate work station, with vertical high-frequency furnace
Analysis Range	C: 0.0005%-6.0000% (can be extended to 99.999%) S: 0.0005%-0.35000% (can be extended to 99.999%)	C: 0.0001%-10.0000% (can be extended to 99.999%) S: 0.0001%-2.0000% (can be extended to 99.999%)
Analysis Pool	2 pools	2 pools (optional 4 pools)
Consumption	2.2KW	2.5KW
Power Supply	AC220V±10%, 50/60Hz	
Package Size(W*D*H)	1380*760*980mm	1550*750*910mm, 740*580*1410mm
Gross Weight	200kg	330kg
Standard Accessories	Main unit, high frequency automatic inductive combustion furnace, electric balance, computer, printer	
	1000 times effective analysis of spare parts	



BK-CSA5/BK-CSA6 Gas Circuit Diagram



Analysis Software

Using Deliph software compiler, WINDOWS XP, Win7, Win8, Win10 system.

Using the drop-down menu and shortcut operation, with the functions of multi-user administrator, curve fitting, coefficient correction, treatment of results, printing, system diagnosis and others.

High Frequency Oscillating Circuit

Current / Voltage / Power / Choosing the way to regulate the furnace temperature, suitable to various materials of samples.

Control Circuit

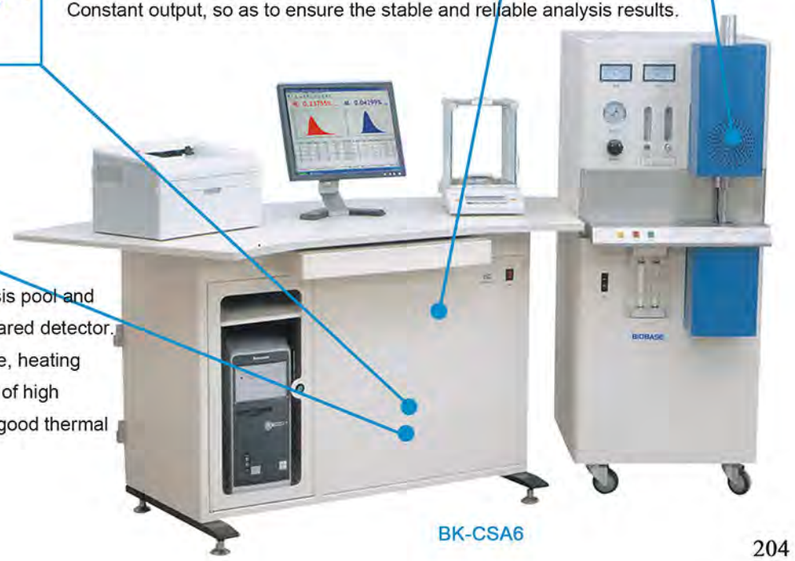
Double CPU modular design, high of integration, stable and reliable.
24 bit high speed sampling chip, high sampling precision.

High Precision Pump

In response to the input pressure change, to ensure that the analysis of gas flow. Constant output, so as to ensure the stable and reliable analysis results.

Infrared Detecting Pool

Gold-plating carbon sulfur analysis pool and high precision of pyroelectric infrared detector. New platnum infrared light source, heating duration, spectral characteristics of high efficiency. Microstepping motor, good thermal stability.



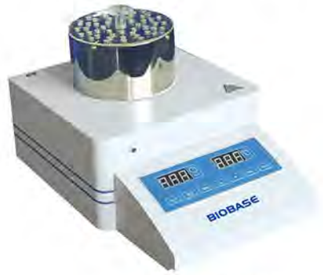
BK-CSA6

COD Analyzer

Application:

* It is widely used in water quality monitoring in environmental protection, petroleum, chemical industries, health, etc.

BK-COD1



Digester BK-D-1

Features:

* LCD display
* Dichromate colorimetric method, LED light source, long service life
* Two-point calibration (zero and full scale calibration)
* Measurements can be displayed directly, needless to count
* Support to connect with PC through USB interface
* Data can be consulted, deleted and printed

Technical Parameters:

Model		BK-COD1
Measuring Principle		Dichromate colorimetric method
Range	COD	0.0~1500mg/L
	Electrolysis Current Divide	—
Accuracy	Basic Accuracy	≤150mg/L: ±8% reading ±1mg/L; ≥150mg/L: ±8% reading
	Repeatability	3% reading
Stability		±2% (reading)/15min
Calibration		Two-point calibration(zero and full scalecalibration)
Data Storage		200 data with time-and-date stamp
Digester BK-D-1	Digestion Method	Sealing reflux method（could dispelling 21 samples simultaneously）
	Digestion Temperature	100~165℃
	Digestion Time	0~120min
Power Supply		AC110/220V±10%, 50/60Hz
Standard Accessory		BK-D-1 digester
Package Size(W*D*H)		BK-COD1: 370*305*330mm, Digester: 575*435*285mm
Gross Weight		8.5kg

Portable Turbidimeter

Features:

* Narrow band filter system, less susceptible to interference of light.(For BK-T201/ BK-T202)
  Cold light source, narrowband interference optical system. (For BK-T201A/ BK-T202A)
* Large LCD display
* Able to store standard 10 curve and 199 measurements value (For BK-T201/ BK-T202);
  20 curve and 199 measurements value (For BK-T201A/ BK-T202A)
* Anticorrosive ABS main body, waterproof IP65 design
* 16-bit single chip microcomputer system
* Data protection function of power failure
* Could charge lithium-ion battery (For BK-T201A/ BK-T202A)
* USB port included (For BK-T201A/ BK-T202A)

Technical Parameters:

Model	BK-T201	BK-T202	BK-T201A	BK-T202A
Measuring Range(NTU)	0～400	0～1000	0～400	0～1000
Basic Error(F.S)	≤± 2%		≤± 1%	
Repeatability(F.S)	≤ ± 2%		≤ ± 1%	
Minimum Resolution(NTU)	0.01			
Drift Per Hour(NTU)	＜ 0.1			
Power Supply	AC110/220V±10%,50/60HZ			
Package Size(mm)	270*270*180			
Gross Weight(kg)	2.5			

Benchtop Turbidimeter

Features:

* Narrow band filter system, less susceptible to interference of light
* Large LCD display
* Able to store standard 10 curve and 199 measurement value (For BK-LT3A / BK-LT3B);
  10 curve and 500 measurement value (For BK-T3A/BK-T3B)
* Anticorrosive ABS body
* 16-bit single chip microcomputer system
* Printing function, USB port included (For BK-T3A/BK-T3B)

BK-T3A/BK-T3B

Technical Parameters:

Model	BK-LT3A	BK-LT3B	BK-T3A	BK-T3B
Measuring Range(NTU)	0～400	0～1000	0～400	0～1000
Basic Error(F.S)	≤± 2%			
Repeatability(F.S)	≤ ± 2%			
Minimum Resolution(NTU)	0.01			
Drift Per Hour(NTU)	＜0.1			
Power Supply	AC110/220V±10%,50/60HZ			
Package Size(mm)	270*270*180			
Gross Weight(kg)	3			

BK-LT3A/BK-LT3B

Colorimeter

BCM-110

BCM-200

Features for BCM-110:

* Built-in white plate parameters. No need to calibrate each time.
* Double locating: illuminating locating and precise cross locating.
* Switchable double measurement end face: large area stable end face and small area measurement for concave-convex end face.
* New integrating sphere optical path design: eliminating the stray light of main optical path and auxiliary optical path.
* Equipped with rechargeable-capacity Li-ion battery.
* Configured CQCS3 software to realize more functions by connecting PC computure
* Hand-head structure, small and convenient

Features for BCM-200:

* Leading Humanity Design and Convenient Operation, Auto White and Black Calibration at Startup, Structure Design in line with Ergonomics
* Stable Measurement Performance
* Convenient and Fast Locating
* PC Software -CQCS3 Software realize more function expansion.
  a. The corresponding software serial number and password protection.
  b. Be able to perform color difference analysis, color difference cumulative analysis, chromaticity index, color sample database management, simulating object color, etc.
* Advanced Power Management Design
  a. Using high capacity Li-ion battery in colorimeter. It can be repeatedly charged.
  b. Measuring more than 3000 times on one charge.

Technical Parameters:

Model	BCM-110	BCM-200
Illuminating/Viewing Geometry	8/d	
Measuring Aperture	Φ4mm	Φ8mm
Detector	Silicon photoelectric diode	
Color Space	CIEL*a*b*C*h* CIEL*a*b*	
Color Difference Formula	△E*ab △L*a*b △E*C*h	
Light Source	D65	
Light Source Device	LED blue light excitation	
Display	TFT LCD	
Errors Between Each Equipment	≤0.80ΔE*ab	≤0.40ΔE*ab
Storage	100pcs standards, 5000pcs samples	100pcs standards, 20000pcs samples
Repeatability	Standard deviation within ΔE*ab 0.08 Average of 30 measurements of standard white plate	
Lamp Life	3 years, more than 1 million time	5 years, more than 1.6 million time
Charging Time	8 hours-100% electricity	2 hours(8 hours for first charge)-100% electricity
Measurement Times Before Recharging	3000 times in 8 hours	
Ambient Temp./Humidity Range	-10~40℃, relative humidity 0~85% without condensation	
Data Interface	USB	
Optional Accessory	Miniature thermal printer, Powder test box	Universal Test Components, Powder test box, Miniature thermal printer
Power Supply	Rechargeable li-ion battery 3.7V@3200mAh	
External Size(W*D*H)	205*67*80mm	205*70*100mm
Package Size(W*D*H)	450*230*380mm	
Net Weight	0.5kg	0.45kg
Gross Weight	2.5kg	

Spectrophotometric Colorimeter

Application:

Spectrophotometric colorimeter is widely used in plastic, electronic, painting, coating, ink, textile, garment, printing and dyeing, food, medical, cosmetic, industries, scientific research institutes, schools and laboratories. It can measure reflectance spectrum and other color index precisely. BCM-810 spectrophotometer not only can help to perform color matching and color management studies, but also can control product quality management accurately. The instrument is equipped with high-end color management software which can connect PC to achieve more extension functions.

Technical Parameters:

Model	BCM-810
Illumination/Observation System	d/8(diffused illumination, 8-degree viewing angle) Conforms to CIE No.15, GB/T 3978
Integrating Sphere Size	Φ58mm
Light Source	Combined LED sources
Sensor	Silicon photodiode array
Wavelength Range	400~700nm
Wavelength Pitch	10nm
Reflectance Range	0~200%
Measuring Aperture	Φ8mm
Color Space	CIE LAB, XYZ, Yxy, LCh, CIE LUV, LAB&WI&YI
Color Difference Formula	ΔE*ab, ΔE*uv, ΔE*94, ΔE*cmc(2:1), ΔE*cmc(1:1), ΔE*cmc(l:c), CIE2000ΔE*00, ΔE(h)
Other Chromaticity Data	WI(ASTM E313, CIE/ISO, AATCC, Hunter), YI(ASTM D1925, ASTM 313), Metamerism index (Mt), Color strength color stain, Color fastness
Data	Metamerism Index (Mt), Color Strength Color Stain, Color Fastness
Observer	2°/10°
Illuminant	D65, D50, A, C, D55, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12

Model	BCM-810
Display Data	Spectral value/Graph, Colorimetric value, Color difference value/Graph, Pass/Fail result, Color offset, Color simulation, Color index setting(ΔE*94, ΔE*cmc, ΔE2000), Tolerance prompt, Reverse prompt, Time setting, Language seting, Restore factory setting
Measurement Time	1.5s
Repeatability	Spectral reflectance: Standard deviation within 0.1%(400~700nm: within 0.2%) Colorimetric value: Standard deviation within ΔE*ab 0.04 (Measurement conditions: White calibration plate measured 30 times at 5 seconds intervals after white calibration was performed.)
Inter Instrument Agreement	Within ΔE*ab 0.2 (Average for 12 BCRA Series II color tiles)
Battery	Li-ion battery. 2800 times within 8 hours.
Lamp Life	5 years, more than 1.6 million measurements
Display	3.5 inch TFT LCD, Capacitive touch screen
Interface	USB/RS-232
Data Memory	1000 Standards, 15000 Samples
Ambient Temp.	0~40℃ (32~104°F)
Storage Temp.	-20~50℃ (-4~122°F)
Standard Accessory	Power adapter, Li-ion battery, Operating instruction, CD-ROM (Containing management software), Data line, White and black calibration cavity, Protective cover and wrist strap
Optional Accessory	Universal test components, Micro printer, Powder test box
External Size(W*D*H)	90*77*230mm
Package Size(W*D*H)	460*250*380mm
Net Weight	600g
Gross Weight	9.5kg
Notes	The specifications are subject to change without notice

Corpse Refrigerator

BK-CR2 BK-CR3 BK-CR4 BK-CR6

Features:

* PID control and calibration system, LED display.
* The refrigeration system of each chamber can be controlled individually.
* Keyboard lock and password protection.
* Corpse tray can move freely with small roller wheels.

Optional:

Germany SECOP compressor

24-hour tracing, recording and printing system

Technical Parameters:

Model		BK-CR1	BK-CR2	BK-CR3	BK-CR4	BK-CR6
Chamber/Compressor No.		1	2	3	4	6
Rated Temp.		1~5℃				
Lowest Temp.		-18℃/-30℃				
Temp. Accuracy		0.1℃				
Refrigeration System		Professional finned condenser; Condenser fan with mesh enclosure; CFC-free refrigeration system, -18℃: R134a, -30℃: R404a				
Visual and Audio Alarm		High temperature, Low temperature, Sensors failure				
Material		Internal / External: 201 or 304 stainless steel Insulating layer: polyurethane foam				
Consumption		350W	700W	1050W	1400W	2100W
Power Supply		AC220V, 50/60Hz				
Single Chamber Size(D*W*H)mm		1900*570*395				
External Size(D*W*H)mm		2480*810*650	2480*810*1190	2480*810*1800	2480*1580*1190	2480*1580*1800
Package Size(D*W*H)mm		2560*890*750	2560*890*1300	2560*890*1880	2560*1660*1300	2560*1660*1880
Gross Weight(kg)	201 SS	200	300	370	550	650
	304 SS	210	320	400	590	710

Mouse Cage

Material: PC

Material: PP

Features:

* Separate the feces and urine, easy to operate.
* Standard accessories: lids, bottles and stoppers
* Water bottle rack with a stainless steel tube below, to avoid the mouse when the water leakage to the ground.

Technical Parameters:

Model	Material	Size
BK-CP3	PP/PC	318*202*136mm
BK-CP5	PP/PC	300*200*130mm
BK-SS4	PP	485*350*200mm
BK-R1	PP	465*300*180mm 465*300*150mm
BK-R5	PP	545*395*200mm
BK-H1	PP	375*330*190mm
BK-CP4	PP/PC	466*314*200mm
BK-JM1	PP	325*215*170mm
BK-JM2	PP	375*270*170mm

Dehumidifier

Home dehumidifier

BKDH-820E/830E

BKDH-850D/860D

BKDH-860E

Features:

* With active carbon filter.
* Timing range: 1~24 hours.
* LED display, indicate humidity.
* Microcomputer control, intelligent operation.
* With drains to keep continuous drainage function.
* Low temperature available, efficient automatic defrosting system.
* E series, high sensitivity causative touch screen, D series, button screen.
* Voice prompt function: the dehumidifier stop work and alarm when the water tank is full.

Technical Parameters:

Model	BKDH-820E	BKDH-830E	BKDH-850D	BKDH-860D	BKDH-860E
Humidity Removal Capacity	20L/24H	30L/24H	50L/24H	60L/24H	
Humidity Adjusted Range	40%~90%RH				
Air Circulation	280 m³/h	310 m³/h	710 m³/h	723 m³/h	
Refrigerant	R134A		R410A		
Material	ABS				
Applying Area	30~70㎡	35~80㎡	50~110㎡	70~120㎡	
Power Supply	AC 110V/60Hz; 220V±10%, 50/60Hz				
Consumption	280W	330W	700W	740W	
Water Tank(L)	5.1L		10L		
External Size (W*D*H)	373*266*612mm		436*290*720mm		
Net Weight	14kg	14.5kg	23.5kg	24.5kg	
Packing Size (W*D*H)	410*310*660mm		488*342*773mm		
Gross Weight	15kg	15.5kg	25kg		
Border Color	Brown/Black	Brown/Black	Black		Black/Green

Commercial Dehumidifier

Features:

* Microcomputer control, intelligent operation
* LED display, indicate humidity
* Low temperature available, efficient automatic defrosting system
* Timing range: 1-24 hours
* Pipe continue drainage function

Technical Parameters:

Model	BKDH-890D	BKDH-8138D
Humidity Removal Capacity	90L/24H	138L/24H
Humidity Adjusted Range	40%~90%RH	
Air Circulation	1100 m³/h	1200 m³/h
Refrigerant	R410A	
Material	Cold Rolled Plate Coating	
Applying Area	90~150㎡	130~180㎡
Power Supply	AC 110V/60Hz; 220V±10%, 50/60Hz	
Consumption	1300W	1500W
External Size (W*D*H)	480*420*960mm	480*420*1060mm
Net Weight	60kg	65kg
Packing Size (W*D*H)	540*460*1020mm	540*460*1100mm
Gross Weight	62kg	67kg

Commercial Dehumidifier

BKDH-870EB/BKDH-890EB

Features:

* Microcomputer control, intelligent operation
* LED display
* Low temperature available, efficient automatic defrosting system
* Timing range: 1~24 hours
* Pipe continue drainage function

Technical Parameters:

Model	BKDH-870EB	BKDH-890EB
Humidity Removal Capacity	70L/24H	90L/24H
Humidity Adjusted Range	10%~98%RH	
Air Circulation	800m³/h	1000m³/h
Refrigerant	R22	
Material	Sheet-metal Spray Paint	
Applying Area	70~90㎡	90~110㎡
Consumption	930W	1150W
Power Supply	AC220V±10%, 50Hz	
External Size(W*D*H)	480*365*885mm	480*435*950mm
Package Size(W*D*H)	540*410*920mm	540*495*1010mm
Net Weight	40kg	45kg
Gross Weight	50kg	55kg

Industrial Dehumidifier

BKDH-6.8DT

BKDH-12KT

BKDH-15KT/BKDH-20KT

Features:

* With memory function in case of power-failure
* World famous brand compressor, and high-quality centrifugal fan with low noise
* Microcomputer automatic control, large LED display
* 10L built-in water tank or external pipe is available (for BKDH-6.8DT)
* Equipped with a handle and big wheels, mobile and portable (for BKDH-6.8DT)
* Timing range: 1~24 hours
* Automatic defrost system with high-efficiency
* Automatic fault diagnosis function
* Continuous pipe drainage function

Technical Parameters:

Model	BKDH-6.8DT	BKDH-12KT	BKDH-15KT	BKDH-20KT
Humidity Removal Capacity	7L/h	10L/h	16L/h	20L/h
Working Condition	At 30℃, 80% humidity , it achieves maximum dehumidifying capacity			
Air Circulation	2000m³/h	2800m³/h	4000m³/h	5600m³/h
Refrigerant	R410A			
Control Precision	±5%RH			
Applying Area	180-230㎡	250-350㎡	350-400㎡	450-550㎡
Applicable Temperature ℃	5-38℃			
Defrost	Auto Defrost			
Consumption	2100W	3800W	6100W	8000W
Drainage Type	10L Water tank(standard) or external pipe	External pipe		
Power Supply	AC110V/220V±10%, 50/60Hz	380V, 50HZ		
External Size(W*D*H)	525*740*1155mm	770*470*1630mm	1095*485*1750mm	1095*485*1750mm
Package Size(W*D*H)	585*765*1225mm	955*605*1780mm	1280*620*1900mm	1280*620*1900mm
Net Weight	95kg	175kg	260kg	280kg
Gross Weight	100kg	185kg	275kg	295kg

Densimeter

Solid Densimeter

Application:

Any type of solid, such as rubber, plastic, cables, hard alloy, glass, metal, powder, ceramics, fireproofing materials, magnetic materials, mineral and rock, cement, jewelry, etc.

Features:

* Automatic zero tracking, buzzer warning, and overload warning.
* Function of solution compensation: necessary if liquid other than water is used as a medium for measuring.
* RS-232C included.

Technical Parameters:

Model	BK-DME300S	BK-DME600S
Capacity	0.005~300g	0.005~600g
Density Resolution	0.001g/cm³	
Density Range	0.001~99.999g/cm³	
Measuring Time	About 5s	
Measuring Principle	Archimedes principle	
Specific Gravity Measuring Frame	Unibody injection forming professional specific gravity measurement frame Size: 176*105*111 *mm (L*W*H)	
Measuring Tank	Unibody injection forming transparent measuring tank Size: 169*98*83 *mm (L*W*H)	
Standard Accessories	Tank, testing board, tweezer, thermometer, 100G weight, windshield, a set of particle measuring assembly, a set of floating body measuring assembly, power transformer.	
Optional Accessories	DE-40 printer	
Power Supply	AC110/220V±10%, 50/60Hz	
Package Size(W*D*H)mm	450*200*360	
Gross Weight(kg)	4.5	

Liquid Densimeter

Application:

Any type of liquid.
Measurement of special liquid such as volatile liquid, corrosive liquid, strong acid and strong alkali liquid need optional accessory DE-20B anti corrosive liquid measuring assembly.

Features:

* LCD Display.
* Samples under the temperature from normal to 100℃ can be measured.
* RS-232C included.

Technical Parameters:

Model	BK-DME300L
Capacity	0.005~300g
Density Resolution	0.001g/cm³
Density Range	0.001~99.999g/cm³
Measuring Time	About 5s
Measuring Principle	Archimedes principle displacement method
Weight Value Data Storage	1 group
Specific Gravity Measuring Frame	Stainless steel specific gravity measuring frame
Calibration Mode	Auto correction, auto detection.
Result Testing Method	Distilled water testing
Standard Accessories	Measuring plate, tweezer, thermometer, 100G weight, windshield, measuring frame, power transformer, DE-20A standard liquid measuring assembly (Components of DE-20A standard liquid measuring assembly: Two stainless steel pothooks, one normal glass weight, one normal stainless steel weight, two beakers)
Optional Accessories	DE-40 printer, DE-20B anti corrosive liquid measuring assembly,
Power Supply	AC110/220V±10%, 50/60Hz
Package Size(W*D*H)mm	450*200*360
Gross Weight(kg)	4.5

Solid and Liquid Densimeter

Application:

It is suitable for the field of quality management, cost control, new formula researching and material studying, etc.
Any form of solid could be measured.
Measurement of special liquid such as volatile liquid, corrosivity liquid, strong acid and strong alkali liquid need optional accessory DE-20B anti corrosive liquid measuring assembly.

Features:

* Automatic zero tracking, buzzer warning, and overload warning.
* Function of solution compensation: necessary if liquid other than water is used as a medium for measuring.
* Actual water temperature compensation.
* RS-232C included.

Technical Parameters:

Model		BK-DME300D	BK-DME600D
Capacity		0.005~300g	0.005~600g
Density Resolution		0.001g/cm³	
Density Range		0.001~99.999g/cm³	
Measuring Time		About 5s	
Solid Mode	Measuring Principle	Archimedes principle general solid test method	
	Specific Gravity Measuring Frame	Unibody injection forming professional specific gravity measurement frame Size: 176*105*111mm (L*W*H)	
	Measuring Tank	Unibody injection forming transparent professional measuring tank Size: 169*98*83mm (L*W*H)	
	Mixed Material Percentage	Function introduction	Automatically read the percentage of the main material in composite which consist of two materials
		Setting	Freely set the density value of main material and subordinate material
		Display	Density value, percentage of main material
Liquid Mode	Measuring Principle	Archimedes principle displacement method	
	Weight Value Data Storage	1 group	
	Specific Gravity Measuring Frame	Stainless steel specific gravity measuring frame	
	Memory Mode	Dynamic memory	
	Result Display	Density value	
	Result Testing Method	Distilled water testing	
Calibration Mode		Auto correction, auto detection.	
Standard Accessories		Common Use: Tweezer, thermometer, 100G weight, windshield, power transformer. Solid Use: Tank, testing board, a set of particle measuring assembly, a set of floating body measuring assembly. Liquid Use: Measuring plate, measuring frame, DE-20A standard liquid measuring assembly	
Optional Accessories		DE-40 printer, DE-20B anti corrosive liquid measuring assembly	
Power Supply		AC110/220V±10%, 50/60Hz	
Package Size(W*D*H)mm		450*200*360	
Gross Weight(kg)		4.5	

Precious Metal Tester

Application:

Distinguish K value of gold, PT value of platinum, density value, purity percentage can be measured.
Pawning house, bank, jewelry shop, precious-metals recovery, jewelry factory, Gemstone Testing Center, precious metals researching, etc.
Note: Unable to measure sample which is hollow or with inserted gems.

Features:

* Multi-mode, gold mode, platinum mode, other precious metals mode can be switched.
* Top and bottom limitation of K value, purity and density of gold. And prompt alarm.
* Automatic zero tracking, buzzer warning, and overload warning.
* No damage testing, cleaning and environmental protection.
* Could be used as precision balance.
* Function of solution compensation: necessary if liquid other than water is used as a medium for measuring.
* RS-232C is included.

Technical Parameters:

Model		BK-DMG300K	BK-DMG600K	BK-DMG900K	BK-DMG1200K	BK-DMG2000K
Capacity		0.005~300g	0.005~600g	0.01~900g	0.01~1200g	0.01~2000g
Density Resolution		0.001g/cm³				
Measuring Time		10~15s				
Measuring Principle		Archimedes principle				
Testing Board		Unibody high-capacity plastic testing board				
Gold Mode	Display K Value	The K value of mixture of gold, silver, and copper; mixture of gold and copper; mixture of gold and silver				
	Display Purity Percentage	The purity content of mixture of gold, silver and copper; mixture of gold and copper; mixture of gold and silver				
	K Value Range	9K~24K				
	Copper and Silver Proportion Setting	Cycle setting depends on user's preference (default 7:3)				
Platinum	Display Value	PT percentage, density value, volume				
	PT Value Range	Pt600~Pt1000				
Measuring Tank		Unibody injection forming transparent professional measurement tank Size: 169*98*83mm (L*W*H)				
Calibration Mode		Auto correction, auto detection.				
Standard Accessories		Tank, testing board, tweezer, thermometer, weight, windshield, power transformer, a set of gold particle measuring assembly				
Option Accessories		DE-40 printer				
Power Supply		AC110/220V±10%, 50/60Hz				
Package Size(W*D*H)mm		450*200*360				
Gross Weight(kg)		4.5	4.5	5	5	6

High-precision Solid and Liquid Densimeter

BK-DMH120D

BK-DMH300D

Application:

It is suitable for the field of quality management, cost control, new materials researching, scientific academies, researching key laboratories, quality inspection, etc.

Any form of solid could be measured, including objects of hydroscopicity, non-absorbency, high-viscosity.

Measurement of special liquid such as volatile liquid, corrosivity liquid, strong acid and strong alkali liquid need optional accessory DE-20B anti corrosive liquid measuring assembly.

Features:

* Automatically check whether density is qualified or not and prompt alarm.
* Automatic zero tracking, buzzer warning, and overload warning.
* Function of solution compensation: necessary if liquid other than water is used as a medium for measuring.
* RS-232C is included.

Accessories for Densimeter

Standard Accessory:

DE-20A standard liquid measuring assembly

Optional Accessories:

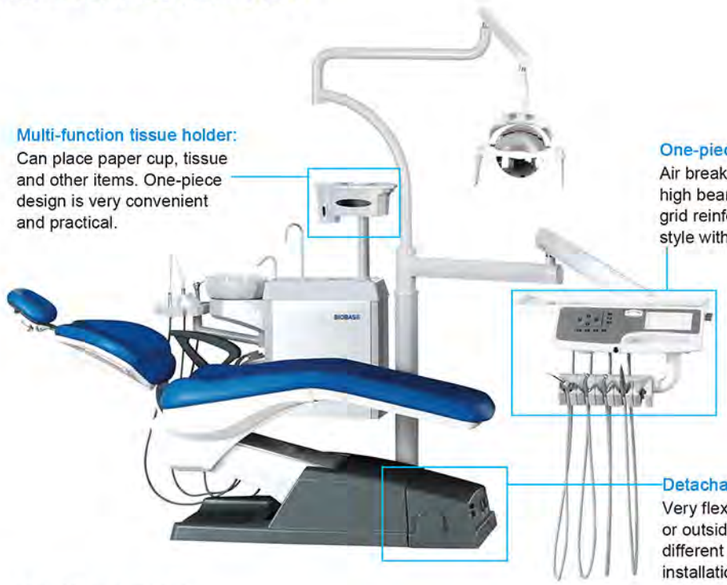
DE-20B anti corrosive liquid measuring assembly

DE-40 printer

Technical Parameters:

Model		BK-DMH120D		BK-DMH300D
Capacity		0.001~120g		0.005~300g
Density Resolution		0.0001g/cm³		0.001g/cm³
Density Range		0.0001~99.9999g/cm³		0.001~99.999g/cm³
Measuring Time		About 5s		
Solid Mode	Measuring Principle	Archimedes principle		
	Measurable Items	Density of general non-absorbency solid. Density of porosity materials. Oil length of oil bearing. Porosity of porosity materials. DIN volume abrasion loss of rubber. Powder density. Water absorption rate.		
	Specific Gravity	Unibody injection forming professional specific gravity measurement frame Size: 135*50*116mm (L*W*H)		
	Measuring Frame Measuring Tank	Unibody injection forming transparent professional measuring tank Size: 169*98*83mm (L*W*H)		
	Mixed Material Percentage	Function introduction	Automatically read the percentage of the main material in composite which consist of two materials	
		Setting	Freely set the density value of main material and subordinate material	
		Display	Density value, percentage of main material	
Liquid Mode	Measuring Principle	Archimedes principle displacement method		
	Weight Value Data Storage	3 groups		
	Specific Gravity Measuring Frame	Stainless steel specific gravity measuring frame		
	Result Display	Density and Baume value		
	Result Testing Method	Distilled water testing		
Calibration Mode		Auto correction, auto detection.		
Standard Accessories		Common Use: Tweezer, thermometer, 100G weight, windshield, power transformer. Solid Use: Tank, testing board, a set of particle measuring assembly, a set of floating body measuring assembly. Liquid Use: Measuring plate, measuring frame, DE-20A standard liquid measuring assembly		
Optional Accessories		DE-40 printer, DE-20B anti corrosive liquid measuring assembly		
Power Supply		AC110/220V±10%, 50/60Hz		
Package Size(W*D*H)mm		450*200*360		
Gross Weight(kg)		4.5		

Dental Chair BKMD-A03



Multi-function tissue holder:
Can place paper cup, tissue and other items. One-piece design is very convenient and practical.

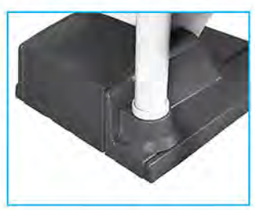
One-piece instrument tray:
Air break, good stability with high bearing capacity; grid reinforcement, concise style with big practical area.

Detachable floor box:
Very flexible, could be inside or outside, can be applied to different layouts to facilitate installation.

Technical Parameters:

Model	BKMD-A03		
Computer-controlled dental chair	1 set	Multi-function tissue holder	1 set
High vacuum suction and Saliva ejector system	1 set	Multi-function Pedal switch	1 set
		Operator stool	1 set
Three-way syringe(cold/hot/)	2 pcs	High speed handpiece connector	2 sets
Operating light	1 set	Low speed handpiece connector	1 set
X-ray viewer	1 set	24V DC mute motor	2 pcs
Automatic bowl rinsing and cup filling	1 set	Detachable ceramic spittoon	1 set

Product Feature:



Floor-standing post:
The movement of light and instrument tray will not affected by others, making the whole machine more stable and making the treatment process more smooth.

Extremely low chair position:
The lowest position is lower than 37cm, very convenient for the elderly, children, pregnant women and the disabled, easier for doctors to operate.

Rotatable metal side box:
The side box can be rotated outside, having sufficient space to cooperate with nurses, environmentally friendly metal material with high rigidity, the color will not change or fade.

Independent adjustment system for handpieces:
A handpiece corresponds to a knob, the operation is more accurate, more user-friendly and more flexible.

Double-bottle water supply:
Reduce the frequency of adding water to make the treatment more smooth.

Rotatable spitttoon:
Can be rotated with the side box to facilitate spit and gargle; can be easily removed to clean and disinfect

Comfortable operator's stool:
Ergonomically designed, noiseless, convenient and adjustable.

Optional Accessories:

Imported/Domestic high speed turbine handpiece	2 pcs	Negative pressure suction system	1 set
Imported/Domestic low speed handpiece	1 piece	Intraoral camera system	1 set
Built-in scaler	1 set	Oilless Air Compressor	1 set
LED curing light	1 set		

Optional Configuration:

Double armrests:
The armrests will rotate with backrest, allowing patients to grab during the entire process.

Three memory keys:
Just press one key to operate the dental chair in place, convenient and quick.

Top-mounted instrument tray:
The bars can be easily pulled out and put back without any traction force, easy for cleaning and operation.

Six bulbs LED operating light:
Induction adjustable brightness, with sensor, fashionable and convenient.

Halogen operating light:
Closer to natural light, no glare, eye protection without irritation.

Glass spittoon:
beautiful and bright, easy to clean and disinfect.

Rack for intraoral camera system:
The original special rack is more convenient to use.

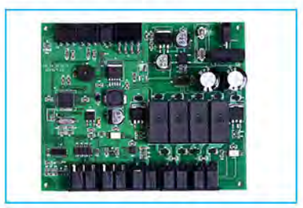
Deluxe leather operator stool:
Wear-resistant leather with ergonomic design, noiseless, comfortable and adjustable.

Dental Chair BKMD-A04

Technical Parameters:

Model	BKMD-A04		
Computer-controlled dental chair	1 set	Multi-function Pedal switch	1 set
High vacuum suction and Saliva ejector system	1 set	Luxury leather operator stool	1 set
Three-way syringe(cold/hot/)	2pcs	Three memory keys for chair	1 set
Six bulbs LED operating light	1 set	High speed handpiece connector	2 pcs
24V X-ray viewer	1 set	Low speed handpiece connector	1 set
Automatic bowl rinsing and cup filling	1 set	24V DC mute imported motor	2 pcs
Deluxe aluminum alloy side box	1 set	High temperature fired rotary ceramic spittoon	1 set

Product Feature:



Independent R&D system:
With memory function, memory data will not lose; the dental chair is very smooth and soft during its lifting and supine process, without any shaking, extremely comfortable.

Aluminum alloy side box:
Concise and curved style combines with aesthetic appearance, environmentally friendly aluminum alloy material with high rigidity, the color will never change or fade.

Imported water and air pipes:
Imported from USA, the pipe is thicker and more resistant to acid and alkali, safe and reliable.

Rotary ceramic spittoon:
High temperature burning, it can be rotated inward or outward to facilitate spit and gargle.

Deluxe microfiber leather sofa:
Handmade wear-resistant leather, ergonomic design, more beautiful and comfortable.

Six bulbs LED operating light:
Induction adjustable brightness, with sensor, fashionable and convenient.

Rotary auxiliary control system:
It can be rotated out a large space for easy multi-hand operation.

Deluxe leather operator stool:
Wear-resistant leather with ergonomic design, noiseless, comfortable and adjustable.

Independent adjustment system for handpieces
A handpiece corresponds to a knob, the operation is more accurate, more user-friendly and more flexible.

Optional Accessories:

Imported/Domestic high speed turbine handpiece	2 pcs	Negative pressure suction system	1 set
Imported/Domestic low speed handpiece	1 piece	Intraoral camera system	1 set
Built-in scaler	1 set	Oilless Air Compressor	1 set
LED curing light	1 set		

Optional Configuration:

Multi-function auxiliary control panel:
Multiple function keys have been added to the auxiliary control panel, which can facilitate the use of assistant

Halogen operating light:
Closer to natural light, no glare, eye protection without irritation.

Top-mounted instrument tray:
The bars can be easily pulled out and put back without any traction force, easy for cleaning and operation.

Multi-function tissue holder:
can place paper cup, tissue and other items. One-piece design is very convenient and practical.

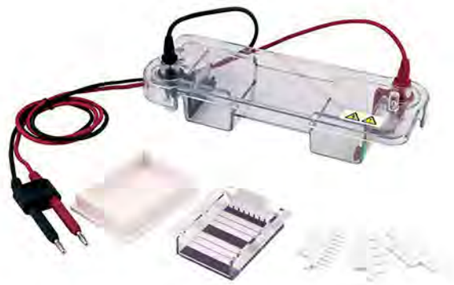
Horizontal Electrophoresis Tank

Horizontal electrophoresis is a basic means in molecular biology research. It is widely used for DNA detection and separation, and molecular testing in the nucleic acid analysis, purification and preparation experiment.

ET-H1 Horizontal Electrophoresis Tank

Features:

* Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process.
* Dismountable electrodes make maintenance easily.
* The PC transparent top lid prevents liquid volatilization and electricity leakage.
* Auto-switch-off when the lid is removed
* Recommended power supply: BPS-1/BPS-2



Technical Parameters:

Model	ET-H1
Gel Trays(W*L)	48*75mm
Buffer Volume	150ml
Comb Thickness	1&1.5mm
Comb Throughput	3, 5, 9 samples
NO. of Samples	3~18
Standard Accessories	Body tank with electrode*1, Gel tray 48*75mm*1, Gel box*1, 1.0mm thickness 3 wells comb*2, 1.5mm thickness 3 wells comb*2, 1.0mm thickness 5 wells comb*2, 1.5mm thickness 5 wells comb*2, 1.0mm thickness 9 wells comb*2, 1.5mm thickness 9 wells comb*2
External Size(L*W*H)	250*95*50mm
Package Size(L*W*H)	320*160*160mm
Gross Weight	1kg

ET-H2 Horizontal Electrophoresis Tank

The ET-H2 is ideal for restriction fragment analysis, sample prep or checking of high numbers of samples.

Features:

* Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process.
* Dismountable electrodes make maintenance easily.
* Sample background color design, adding the sample conveniently.
* The PC transparent top lid prevents liquid volatilization and electricity leakage.
* Auto-switch-off when the lid is removed
* Recommended power supply: BPS-2/ BPS-3

Technical Parameters:

Model	ET-H2
Gel Trays(W*L)	60*60mm, 120*60mm, 60*120mm, 120*120mm
Comb Thickness	1&1.5mm
Comb Throughput	1, 2, 3, 6, 8, 11, 13, 18, 25 samples
NO. of Samples	1~100
Buffer Volume	550ml
Standard Accessories	Body tank with electrode*1, Gel tray 120*120mm*1, Gel tray 120*60mm*1, Gel tray 60*120mm*1, Gel tray 60*60mm*2, Gel box*1, Leveling feet*1 1.5mm thickness 1/2/3 wells comb*1, 1.0mm thickness 6/13 wells comb*2 1.0mm thickness 8/18 wells comb*2, 1.0mm thickness 11/25 wells comb*2
External Size(L*W*H)	300*160*75mm
Package Size(L*W*H)	460*250*200mm
Gross Weight	2kg

ET-H3 Horizontal Electrophoresis Tank

Features:

* Auto-switch-off when the lid is removed.
* Special gel caster, prevents the gel leakage.
* Dismountable electrodes make maintenance easily.
* The PC transparent top lid prevents liquid volatilization and electricity leakage.
* Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process.
* Recommended power supply: BPS-2/BPS-3

Technical Parameters:

Model	ET-H3
Gel Tray (W*L)	200*200mm, 200*150mm, 200*100mm
Comb Thickness	1.0&1.8mm
Comb Throughput	17, 22, 36, 44 samples
NO. of Samples	17~264
Buffer Volume	1800ml
Standard Accessories	Body tank with electrode*1, Gel tray 200*200mm*1, Gel tray 200*150mm*1, Gel tray 200*100mm*1, Gel Caster*1, 1.0mm thickness 17 wells comb*2, 1.8mm thickness 17 wells comb*2, 1.0mm thickness 22 wells comb*2, 1.8mm thickness 22 wells comb*2, 1.0mm thickness 36 wells comb*4, 1.8mm thickness 36 wells comb*2, 1.0mm thickness 44 wells comb*2, 1.8mm thickness 44 wells comb*2, Leveling feet*4
External Size (L*W*H)	397*230*83mm
Package Size(L*W*H)	530*390*220mm
Gross Weight	5kg

Vertical Electrophoresis Tank

Vertical electrophoresis is used for separation, purification and preparation of nucleic acid and protein samples in life science research.

ET-V1 Vertical Electrophoresis Tank

Features:

* Easy installation * Auto-switch off when the lid is removed
* Sample background color design, adding the sample conveniently.
* Abundant buffer not only guarantees cooling effects, but also keeps the PH value stable during the whole experiment process
* With the gel making device of normal position, don't should to moving the glass plate from the process of making gel to electrophoresis, convenient for oberservation the gel preparation from the glass on both sides, ensures fast set up times and leak-free operation.
* Recommended power supply: BPS-2

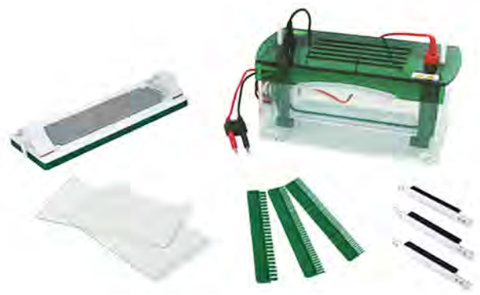
Technical Parameters:

Model	ET-V1
Glass Tray (W*L)	100*100mm
Gel Tray (W*L)	82*88mm
Comb Thickness	0.75, 1.0 &1.5mm
Comb Throughput	11, 15 samples
Amount of Gel:	1~2 piece
NO. of Samples	11~30
Buffer Volume	750ml
Standard Accessories	Body tank with electrode*1, Gel casting base*1, Notched glass plates*4, 0.75mm bonded glass spacer*2, 1.0mm bonded glass spacer*2, 1.5mm bonded glass spacer*2, 0.75 mm thickness 11 wells comb*2, 1.0mm thickness 11 wells comb*2, 1.5mm thickness 11 wells comb* 2, 0.75mm thickness 15 wells comb*2, 1.0mm thickness 15w ells comb*2, 1.5mm thickness 15 wells comb*2, Gel shovel*1, Clamp version*2, Dummy plate*1
External Size (L*W*H)	150*120*115mm
Package Size(L*W*H)	370*300*220mm
Gross Weight	2kg

ET-V2 Vertical Electrophoresis Tank

Features:

* Easy installation * Safety button for lid opening
* Auto-switch off when the lid is removed
* Precast gel core, do not affecting the operation of gel making while the electrophoresis.
* Abundant buffer not only guarantees cooling effects, but also keeps the PH value stable during the whole experiment process.
* With the gel making device of normal position, don't should to moving the glass plate from the process of making gel to electrophoresis, convenient for oberser vation the gel preparation from the glass on both sides, ensures fast set up times and leak-free operation.
* Recommended power supply: BPS-3



Technical Parameters:

Model	ET-V2
Glass Trays (W*L)	216*220mm
Gel Trays (W*L)	186*205mm
Comb Thickness	1.0mm
Comb Throughput	25, 40, 52 samples
Amount of Gel	1~2 pieces
NO. of Samples	25~52
Buffer Capacity	3500ml
Standard Accessories	Body tank with electrode*1, Gel casting base*1, Notched glass plates*4, 1.0mm bonded glass spacer*4, 1.0mm thickness25 wells comb*2, 1.0mm thickness 40 wells comb*2, 1.0mm thickness 52 wells comb*2 25 well Guide sample device*2, 40 well Guide sample device*2, 52 well Guide sample device*2
Optional Accessory	Cooling circulation device
External Size(L*W*H)	280*140*250mm
Package Size(L*W*H)	460*400*450mm
Gross Weight	9kg

Electrophoresis Appratus

Features:

* Auto-switching function.
* Automatic memory function.
* Control: Intelligent microprocessor control unit
* Automatic detection of no-load, over-load, short circuit, rapid resistance change, ground leak and system overheating.

Technical Parameters:

Model	BPS-1
Output	Constant-voltage or current(adjustable)
Output range	5--300V, 1--300mA, 90W (Maximum)
Increment	1V, 1mA
Timing	1min~9h59min
Display	LED: constant-voltage, current and power values
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
External Size(L*W*H)	280*237*118mm
Package Size(L*W*H)	380*340*230mm
Gross Weight	4kg

Electrophoresis Appratus

Features:

* 10 electrophoresis methods can be stored.
* Automatic memory function.
* Buzzing alarm for misoperation & faults.
* Unibody design, touch keys, dual core microprocessor control.
* Display preset value and actual output value at the same time.
* Automatic detection of no-load, over-load, short circuit, rapid resistance change, ground leak and system overheating

Technical Parameters:

Model	BPS-2	BPS-3
Voltage Range	3~300V	10~600V
Current Range	1~400mA	1~500mA
Power Range	1~120W	1~300W
Increment	1V, 1mA, 1W	
Type of Output	Constant-voltage, current or power	
Display	LCD	
Output Port	Four sets	
Timing	1min~9h59min	
Optional	Power recovery function; Non-proliferation field function	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
External Size(L*W*H)	280*237*118mm	
Package Size(L*W*H)	380*340*230mm	
Gross Weight	4kg	

Gel Document Imaging System

Gel Document Imaging System is used for gel band observation and analysis after electrophoresis run by using software technology and the band picture can be zoomed in or zoomed out according to user's requirements.

Features:

* CCD with lower lux and high-resolution.
* Six time zoom lens and simple to enlarge and shrink gel photos.
* A multi-layer gel-filter effectively filters background noise.
* The gel can be placed in the center position by the indicator.
* **Intelligent control box**:
  a. The zoon, focus, aperture, UV light and white light can be controlled through panel key and computer;
  b. The UV light can shut down when the door is opened and reactivate when the door is shut;
  c. The UV light protection system can shut down the lights with 15 minute delay automatically;
  d. Drawer-style gel platform.

Technical Parameters:

Model	BK04S-3C	BK04S-3E
Effective Pixels	1280*1024	2560 *1920
Pixel Density	10 bit	
Pixel Size	5.4*5.4μm	
Resolution	1.4 megapixels	5.0 megapixels
Signal to Noise Ratio	≧56db	
Sensitivity	Can detect the double chain DNA of EB staining below 20pg	
Camera	Low illumination and high resolution digital CCD	
Zoom Lens	F=1:1.2,2/3 inch 6 times zoom lens	
Filter	590nm	
UV Light Transmission Area(W*L)	250*200mm	
Visible Light Transmittance Area(W*L)	250*210mm	
Transmission UV Wavelength	302nm	
Reflectance UV Wavelength	254, 365nm	
Transmission UV Lamp Power	8W	
Reflectance UV lamp Power	11W	
External Size(L*W*H)	470*405*820mm	
Package Size(L*W*H)	Main machine: 710*760*1390mm, Accessory: 420*320*330mm	
Gross Weight	Main machine: 61kg Accessory: 2.5kg	

UV-Transilluminator

Application:

UV Transilluminator is the necessary instrument for observed, photographed and cutting the electrophoresis gel.

Features:

* With the operating port for cutting the gel.
* No need for dark room, can be used for all weather.
* Using the UV filter glass quartz ultraviolet lamp, long service life, light uniform.

Technical Parameters:

Model	UVT-02S
Transmission Size(W*L)	200*150mm
Transmission UV Wavelength	302nm
Reflectance UV Wavelength	254, 365nm
Transmission UV Lamp Power	302nm(8W)
Reflectance UV Lamp Power	254nm(11W), 365nm(11W)
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)	435*295*490mm
Package Size(W*D*H)	700*640*810mm
Net Weight	17kg
Gross Weight	45kg

Thermal Cycler

BK-EO Features:

* High gradient performance for exploring amplification conditions
* Multiple equipment connected operation can be realized through USB or network cable to adapt to batch test by enterprises scientific research labs
* Multiple temperature control modes
* Three modes of operation for your choice

BK-TC Features:

* Complete steel structure
* 5.7 inch touch screen
* High impermeability design of the sample reaction room prevents condensation of samples under long -time storage in low temperature
* Precise temperature control
* Fast heating and cooling rate

Technical Parameters:

Model	BK-EO	BK-TC
Sample Capacity	96-wellx0.2ml,96-well full-skirt,semi-skirt,universal none-skirt,12x8 connected tube	
Display	LCD display and touch screen(5.7 inch)	6.5 inch, 262 144 color touch screen from Japan
Temp. Range	4.0~105℃	
Max temperature Heating rate	≥4℃/s	
Temp. Uniformity	≤±0.3℃	≤±0.2℃
Temp. Accuracy	≤±0.1℃	
Gradient temperature range	30~105℃	
Gradient Range Of Temp. Difference	1~30℃	
Max. No. Of Cycle	99. Suitable for nested PCR experiment	
Memory	≥250 typical programs onboard, unlimited with USB flash drive expansion	
Time increment/decrement	0~9 min59s, suitable for long PCR experiment	
Temp.increment/decrement	0~9.9℃,suitable for touchdown PCR experiment	
Auto Pause/Power Protection	yes	
Soak Function	Yes	
Hot-lid Temp. Range	30℃~110℃(adjustable,minimum control temperature:ambient temperature +5℃)	
Height Of Hot-lid	Automatic Adjusted	
Auto Shut-off Function Of Hot Lid	While block temperature is lower than set temperature or program ends, the hot-lid will be automatically closed	
Communication Interface	USB	Internet port(LAN)
Power Supply	100~240V, 50/60Hz, 600W	
Dimension	345*250*270mm	345*250*270mm
Packing Size(L*W*H)	495*410*395mm	495*410*395mm
Gross Weight	10.5kg	12.5kg
Certificates	Ferrotec Peltier/MET/CE/EMC/RoHS2.0/PICC Product Quality Liability Insurance	

Thermal Cycler

Features:

* Newest generation peltier-based technology, more steady, reliable and durable.
* 7 inche color full touch screen, graphical display of protocols.
* Effortlessly interchangeable reaction modules that swap in seconds without tools.
* 15000 protcols storable on board and unlimited storage of protocols with USB flash drive.

Technical Parameters:

Model		BK-GR300
Gradient Module	96 Module	96 wells*0.2ml
	9677 Module	96 wells*0.2ml+77wells*0.5ml
	384 Module	384 wells
	Multi-purpose	9677 Module+In-situ adapter
	Display	7 inche color touch screen, graphical display of protocols and running status
	Communications	2 USB 2.0 and LAN
Temperature	Block Temperature Range	0 ℃~105℃
	Max. Heating/Cooling Rate	6℃/s
	Temperature Uniformity	≤±0.2℃ (at 95℃)
	Temperature Accuracy	≤±0.1℃ (35℃~100℃)
	Display Resolution	0.1℃
	Mode of Temperature Control	Sim-tube & Block mode
Gradient	Gradient Accuracy	≤±0.1℃ (35℃~100℃)
	Column Uniformity	≤±0.2℃ (at 95℃)
	Gradient Range	30℃~105℃
	Temp. Differential Range	1~30℃
	Gradient Capability	12 Column
Software	Max. No. of Programs	Max. 15,000 programs onboard, unlimited storage of protocols with USB flash drive
	Max. Step	30 steps
	Max. Cycle	100 typical cycles, max. 60,000 nesting cycles
	Time & Temp. Increment/Decrement	Yes, available for Long PCR & Touchdown PCR
	Auto Pause / Auto Restart	Yes
	Multi-user Log in	With password-based authentication prevents from view, copy and alteration of protocols
	Tm Calculator	Automatically calculate the melting and annealing temperature with two primer sequences
	Hold at 4℃	Yes, an infinite incubation time at low temperature for overnight working
	Program Wizard	Yes, create PCR protocols with only a few clicks
	Running Report	Yes, provide objective and precise information for the whole experiment
	PC Connection	PC remote control to manage more than 120 units of A300 across the network
Heat Lid	Height of Heat Lid	Steplessly adjustable Lid, accommodates all kinds of PCR tubes, strips and plates
	Open Method	Innovative "TOP-OPEN" technology realizes open and lift in one step
	Heat Lid Temperature Range	30~112℃
	Auto Shut-off	Yes
Others	Power Supply	85~265V, 50~60Hz Max. 600W
	Package Size(W*D*H)	362*256*255mm
	Gross Weight	10kg

Thermal Cycler

Features:

* 7" color full touch screen, graphically display.
* Effortlessly interchangeable modules,swapped in seconds without tools.
* Durable premium peltier element,ensure long life and high quality.
* Large storage of 10,000 programs on board,enhancing friendly operation.
* Update software through USB flash drive.
* Outstanding block temperature uniformity,ensuring best possible experimental results.
* Global universal switch power(85V-265V),increasing safety & reliability.

Technical Parameters:

Model	BK-AI	BK-AII
Type	Standard Thermal Cycler	Gradient Thermal Cylcer
Standard Module	96 Module:96 wells*0.2ml or 9677 Module:96 wells*0.2ml+77 wells*0.5ml	
Optional Module	48Module:48 wells*0.2ml+48 wells*0.5ml	
	384 Module: 384 wells	
	Muoti-purpose Module: 9677 Module+In-situ Adaptor	
Heating and Cooling Technology	Newest generation Peltier-based technology, with long life up to 1,000,000 cycles	
Display	7° Color Touch Screen, graphical display of protocols and running status	
Language	English	
USB Flash Drive	Unlimited storage of protocols with USB flash drive	
Communications Ports	2 USB2.0 and LAN	
Temperature		
Block Temperature Range	0℃~100℃	
Max. Heating Rate	5℃/s	
Max. Cooling Rate	4℃/s	
Temperature Uniformity	≤ ±0.2℃ (at 95℃)	
Temperature Accuracy	≤ ±0.2℃ (35℃-100℃)	

Model	BK-AI	BK-AII
Mode Of Temperature Control	Sim-tube & Block mode	
Ramping Rate Adjustable	Yes	
Gradient		
Gradient Accuracy	/	≤ ±0.3℃ (35℃~100℃)
Column Uniformity	/	≤ ±0.3℃ (at 95℃)
Gradient Range	/	35℃~99.9℃
Temp. Differential Range	/	1℃~30℃
Gradient Capability	/	12 Column
Heat LID		
Height of Heat lid	Steplessly Adjustable lid, accommodates all kinds of PCR tubes,strips and plates	
Open method	Innovative TOP-OPENTM technology realizes open and lift the lid in one step	
Heat Lid Temperature Range	30℃~99.9℃	
Auto Shut-off	Yes	
Software		
Max. Number of Programs	Max.10,000 programs onboard, unlimited storage of protocols with USB flash drive	
Max.Step&Max.Cycle	30 steps,100 typical cycles,max60,000nesting cycles	
Time & Temp. Increment/Decrement	Yes, available for long PCR & Touchdown PCR	
Auto Pause/Auto Restart	Yes	
Multi-user log in	Password-based authentication prevents from view,copy and alteration of protocols	
Tm calculator	Automatically calculates the melting and annealing temperature through input two primer sequences	
Hold At 4℃	Yes, an infinite incubation time at low temperature for overnight working	
Program wizard	Yes, create PCR protocols with only a few clicks	
Running Report	Yes, provide objective and precise information for the whole running process	
Other features		
Power	Global switch power supply: 85V-265V, 50-60Hz Max.600W	
Approvals	ISO 9001:2000,CE,RoHS	
Packing size(L*W*H)	430mm*344mm*345mm	
Gross Weight	9.8kg	

Fluorescence Quantitative PCR Detection System

Features:

* Whole block scanning and formulated line scanning mode, 96-well double-colour scaning takes only 5.5s
* 6 channels fluorescence detection,no cross talk between different channels.
* Unique bottom detection,compatible to reaction volume down to 5μl
* New automatic hot lid,automatic open and close which is prevenT reagent evaporation
* LED excitation light source with super long service life
* New TE module with special technique to ensure long service life
* Available for a variety of scientific research and clinical applications.

Technical Parameters:

Product Name	Fluorescence Quantitative PCR Detection System
Model	BK-96P
Sample Capacity	96*0.2ml PCR plate, 12*8-strip tubes, 96*0.2ml single tube (Transparent Bottom)
Reaction system	5~100μl
Dynamics Range	1~1010
Medical instrument registration certificate	G.X.Z. 20153400273
Channel	4
Emission Wavelength	500~800nm

Detection path	F1	F2	F3	F4	F5	F6
Suitable Fluorescent Dye	FAM,SYBR GREENI	HEX/VIC/TET/ JOE/CY3/NED/ TAMRA	ROX, TEXAS-RED	Cy5	Cy5.5	Reserved Path
Excitation Wavelength	300~800nm					
Detection Wavelength	500~800nm					
Module Temp. Range	4~105℃(resolution:0.1℃) with SOAK Low Temp. storage Function					
Ramp Rate	4.0℃/s(max)					
Temp. Control Accuracy	±0.1℃					
Temp. Uniformity	≤ ±0.3℃					
Temp. Control Mode	Block mode and Tube Mode (Automatic control based on liquid level)					
Optional Accessories	Windows Tablet PC					
Gradient Temp. Range	1~36℃					
Hot-lid Temp. Range	30~110℃(Adjustable, Default by 105℃ and Automatic Hot-lid)					
Fluorescence intense Detection Repeatability	5%					
Scanning Mode	Full plate scanning and designated line scanning					
Programming	Max 20 Segments for Each Program, Max 99 Cycles					
Operation Mode	Continuous					
Scanning Time	5.5s					
Special Function	Absolute quantitative automatic analysis, relative quantification, SNP Analysis, melting curve analysis, 6 independent temperature zones, HRM multi-channel crosstalk calibration, background correction, auto gain, customized parameters,etc					
Operation System	Microsoft: Windows7/Windows8.1/ Windows10 Software:excel2000/ 2002/2003/2007/2012					
Min-computer Configuration	RAM: 512M, hardware space: 10GB CPU: Pentium 4 virtual memory ≥1000MB					
Power Supply	100-240V 50/60Hz 600W					
Dimension(L*W*H)	410*386*352mm					
Port Method	Support USB and RS232 data port and Bluetooth port					
Certification	Ferrotec Peltier/CE/EMC/RoHS2.0/PICC Product quality liability insurance/IVD/MET					
Packing Size	720*680*640mm					
Gross Weight	55kg					

Deck Mounted Eye Washer

EW-DM1

EW-DM2

EW-DM3

Max. working pressure: 7Bar
Valve: None-return valve, shut off automatically
Hose: Length 1.4m, PVC with stainless steel net
Sprayer head: Soft rubber, softened water spray for eye protection
Dust shield cap: PP, removed automatically when eye washer is operated
Switch: Automatic trigger locking for easy hand-free use
Material: Solid thick brass with high gloss epoxy powder, resistant to chemicals, UV and heat.

Technical Parameters:

Model	EW-DM1	EW-DM2	EW-DM3
Package Size(W*D*H)mm	270*170*80	440*240*120	270*170*80
Gross Weight(Kg)	1	2	1

Removable Eye Washer

EW-R2

Max. working pressure: Max. 7Bar
Soft Pipe: length 1.5m, pp material
Installing: Desk &wall mounted, can be also drew out
Sprayer head: Softened water spray for eye protection
Dust shield cap: Removed when eye washer is operated
Package Size(W*D*H)mm：270*170*80
Gross Weight(Kg)：1

EW-R3

Switch: Automatic trigger locking for hand-free use
Body: Densely PP material. The valve can close automatically, safe seal
Flow control valve: Adjustable based on water pressure to adapt for the eyes.
Package Size(W*D*H)mm：270*170*80
Gross Weight(Kg)：1

Wall Mounted Eye Washer

Material: 304 stainless steel with Exquisite polished / Epoxy coating stainless steel with high gloss epoxy powder, resistant to chemicals, UV.
Eye washer bowl: stainless steel / PP bowl, water bore is made of PP(ABS shield cap), safe green,installing conveniently.
Sprayer head : water bore has been treated with; make the water more mild and abundant.
Switch: the sign of operation is near by the knob, operate simply.
Package Size(W*D*H)mm：470*420*350
Gross Weight(Kg)：8.5

EW-WM1

Wall Mounted Shower Eye Washer

S-WM2

S-CM3

SEW-WM1

Sprayer head: The flux of spray head shower&washer is ample, installing conveniently, saving space.
Tube: Stainless steel material, making the products firm and high quality, resistant to the chemicals.
Switch: The sign of operation is near by the knob, operate simply.

Technical Parameters:

Model	S-WM2	S-CM3	SEW-WM1
Package Size(W*D*H)mm	815*270*160	815*270*160	1320*440*320
Gross Weight(Kg)	5.5	5	18

Combination Emergency Shower Eye Washer

SEW-C1

SEW-C2

Material: Stainless steel, firm and chemical resistant.

Eye washer is suitable for cleaning eyes, face and hands; the spray head can be use of washing the whole body.

Switch of the spray shower is controlled by the top of the handle, the flow is steady and ample.

Height of the bowl is condign, couple water bores humanistic design, the heigh and angle design is according to the proportion of the face.

Outlet water bore has been handled, making the water more mild, in order to protect the eyes from being harmed.

Valve-switch make the operation simple, when using only to touch the knob.

Drain directly, the used water flow directly through the tube which is in the bowl, no pollution.

Technical Parameters:

Model	SEW-C1	SEW-C2
Package Size(W*D*H)mm	1310*380*250	1310*350*440
Gross Weight(Kg)	17	20

Fiber Analyzer

Application:

BK-F800 Fiber Analyzer is with advanced design, easy operation and flexible application. It can be used in conventional Weende method to analyze crude fiber and Van Soest analysis to wash the fiber. Applies to plant, feed, food and other agricultural products as well as the determination crude fiber, neutral detergent fiber (NDF), acid detergent fiber (ADF), hemicellulose and acid detergent lignin (ADL)

Features:

* Hidden solution barrel pull structure designed to facilitate dosing operation, provide the safest fiber analysis.
* Corrosive liquid is not in contact with any pump body, to avoid waste discharge pump susceptible to corrosion phenomena.
* The crucible recoil function designed to prevent sample in the crucible can not caking filtration.
* With dosing overflow protection function to prevent dosing corrosive liquid overflow due to operator error, protect the safety of the operator.
* Adjust the crucible heating power in time, enabling operator to control the heating rate easily and low down the energy consumption, ECO-friendly.
* Having a built-in pre-heating function, greatly reducing the whole experiment time.
* Provide five various specifications crucible specifications to meet the needs of different samples for standard configuration.

Technical Parameters:

Model	BK-F800
Measurement Range	0.1%~100%
Sample Weight	0.5~3g per piece
Repeatability	≤0.4% (Craw Fiber Content below 10%) ≤1% (Craw Fiber Content above 10%)
Max. Capacity	6 pcs/batch
Pre-heating Time	10~12min
Heating to Boiling	13~15min
Consumption	2.2KW
Power Supply	AC220V±10%, 50Hz
External Size(W*D*H)	776*476*644mm
Package Size(W*D*H)	890*610*770mm
Gross Weight	106kg

Fat Analyzer

BFA-1S Fat Analyzer, designed based on the Soxhlet extraction principle, is an automatic crude fat analyzer in which weight method is used to determine the fat content.

Features:

* Automatic process after weighting the sample.
* 8'' LCD Touch screen control panel, easy to operate.
* Five extraction methods: Soxhlet standard extraction, Soxhlet hot extraction, continue flow extraction, hot extraction, Soxhlet CH standard method.
* Ether leakage automatic alarm.
* Water temperature and water flow monitoring.
* Automatic solvent recovery.

Technical Parameters:

Model	BFA-1S
Temp. Range	RT+5℃~300℃
Measuring Range	0.1~100%
Temperature Accuracy	±1℃
Repeatability	Relative error 1%
Sample Weight	0.5~15g
Capacity	6pcs/batch
Solvent Cup Volume	150ml
Solvent Recovery	≥85%
Consumption	2.0KW
Power Supply	AC220V±10%, 50Hz
External Size(W*D*H)	650*348*875mm
Package Size(W*D*H)	Main Body: 835*540*930mm / Accessories: 450*310*245mm
Gross Weight	Main Body: 92kg / Accessories: 4.5kg

Fat Analyzer

BFA-2 Fat Analyzer is based on the Soxhlet extraction principle and integrates such functions as soaking, extraction, leaching, heating, condensation and solvent recovery.

Features:

* 4.3'' LCD screen and Microcomputer control system.
* Triple alarms i.e. sound, light, LCD Audio and visual alarm function.
* Integral dry heating, wide scope and high precision of temperature control.
* Electric circuit is isolated from the extraction space, ensuring devices security.
* Over-temperature alarm and timer reminding functions.
* Abundant interface contents give simultaneous display of set temperature, actual temperature, set time and heating time.
* Unique air insulation for temperature heating protection and constant temperature.

Technical Parameters:

Model	BFA-2
Temp. Range	RT+5℃~300℃
Measuring Range	0～100%
Temperature Accuracy	±1℃
Sample Weight	0.5~15g(generally 2~5g, depending on sample)
Capacity	6pcs/batch
Solvent Cup Volume	80ml
Solvent Recovery	≥80%
Consumption	1KW
Power Supply	AC 220V±10%, 50HZ
External Size(W*D*H)	650*320*715mm
Package Size(W*D*H)	735*410*880mm
Gross Weight	54.5kg

Gas Chromatograph

Features:

* 7-inch LCD display indicates temperature, gas flow and heating curve.
* Self-test function and automatic fault recognition function.
* 8 pcs external extension interfaces can connect with control valve.
* Equipped with a flame ionization detector (FID).
* Multi-core and 32-bit embedded hardware system ensures the reliable operation.
* Synchronous external trigger function and the external signal (auto sampler, thermal analyzer, etc.) can start the equipment and workstation software at the same time.
* With chromatography workstation software to process data.
* Memory function: can store 20 sample test modes.
* One key start up function.

Technical Parameters:

Model	BK-GC112A	
Oven	Capacity	22L
	Temp. Range	RT+5℃~400℃
	Temp. Accuracy	±0.1℃
	Temp. Program	9 step
	Program Total Time	9999.9 min
	Max Temp. Heating Rate	60℃/min
Sample Injector	Temp. Range	RT+7℃~420℃
	Column or split injector can be installed	
	Carrier gas flow control type: Constant pressure mode	
	Max. Quantity	3pcs
	Pre Column Pressure Range	0-400kpa
	Pre Column Pressure Accuracy	0.1kpa
	Flow Setting Range	H2: 0-200ml/min
		N2: 0-150ml/min
Detector	Temp. Range	RT+7℃~420℃
	Hydrogen Flame Ionization Detector (FID)	Logarithmic amplifier
		High voltage switch control
		Baseline signal display
		Detection limit: ≤$3*10^{-12}$g/s (Sample: n-hexadecane)
		Baseline noise: ≤$5*10^{-14}$A
		Baseline draft: ≤$6*10^{-13}$A
		Dynamic range: 10^7
		RSD: ≤3%
	Thermal Conductivity Detector (TCD)(Optional)	Sensitivity: 8000mv.ml/mg(Sample: n-hexadecane)
		Baseline noise: ≤0.05mV
		Baseline draft: ≤0.15mV/30min
		Dynamic range: 10^5
Power Supply	AC220V±10%, 50Hz	
Standard Accessory	FID detector, Capillary injection system, Chromatography workstation software,RS232 port, LAN port	
Optional Accessory	TCD detector, Chromatographic column, Gas purifier	
Package Size(W*D*H)	740*730*840mm	
Gross Weight	80kg	

Gas Chromatograph

Features:

* 5.7-inch LCD display indicates temperature, time and gas flow
* Can install packed column and capillary column at the same time
* Self-test, power protection, keyboard lock, automatic ignition and anti power mutation interference function.
* Can connect with Internet, realize data transfer and program upgrade automatically
* Equipped with a flame ionization detector (FID), and TCD, ECD, FPD, NPD are optional. Can install 3 detectors at the same time.
* Double column compensation function, which can effectively restrain baseline drift and the influence of background noise.
* Large capacity oven (300*280*180mm) can hold 2 pcs 0.32mm diameter capillary column (length: 80m)
* Better thermal insulation effect: when the temp. of oven, vaporizing chamber and detector reach 300℃, the max. temp. of outer chamber is 40℃
* With chromatography workstation software to process data

Technical Parameters:

Model	BK-GC7820	
Oven	Temp. Range	RT~450℃
	Temp. Accuracy	≤±0.1℃
	Temp. Program	16-phase
	Max. Temp. Heating Rate	40℃/min
Detector	Hydrogen Flame Ionization Detector (FID)	Detection limit: ≤$3*10^{-12}$g/s(Sample: n-hexadecane)
		Baseline drift: ≤$1*10^{-13}$A/30min
		Linear range: ≥10^7
	Thermal Conductivity Detector (TCD) (Optional)	Sensitivity: >10000mv.ml/mg(Sample: n-hexadecane)
		Linear range: ≥10^5
	Electron Capture Detector (ECD) (Optional)	Detection limit: ≤$1*10^{-14}$g/ml(Sample: n-hexadecane δ-666)
		Linear range: ≥10^4
	Flame Photometric Detector (FPD) (Optional)	Detection limit: ≤$2*10^{-11}$g/s(S of thiophene)
		Detection limit: ≤$1*10^{-12}$g/s(P of methyl parathion)
		Linear range (S): ≥10^3
		Linear range (P): ≥10^4
	Nitrogen and Phosphorus Detector (NPD) (Optional)	Detection limit: ≤$1*10^{-12}$g/s(Azobenzene)
		Detection limit: ≤$1*10^{-12}$g/s(Marla sulphur phosphorous)
		Linear range: ≥10^3
Power Supply	AC110/220V±10%, 50/60Hz	
Standard Accessory	FID detector, Chromatography workstation software	
Optional Accessory	Sample injection system, TCD, ECD, FPD and NPD detector, Chromatographic column	
Package Size(W*D*H)	800*570*650mm	
Gross Weight	75kg	

High Performance Liquid Chromatography

Features:

* LCD display
* Front-mounted self-locking switch
* Small size, easy to place, save space
* Standard configuration USB portspace

Technical Parameters:

Model		BK-LCI1100	BK-LCG1100
High Pressure Constant Flow Pump	Double plunger reciprocating pump	1 set	2 sets
	Flow Range	0.001mL/min-10.000mL/min	
	Setting Step Size	0.001mL/min	
	Flow Accuracy	≤±0.3% (1.00ml/min, H2O,R.T.,8.5MPa)	
	Flow stability	RSD≤0.1% (1.00ml/min, H2O,R.T.,8.5MPa)	
	Maximum Pressure	42MPa	
	Display Pressure Error	≤±3.0%	
	Pressure Fluctuation	≤1.0%	
	Power Dissipation	80W	
UV/VIS Detector	Wavelength Range	190-700nm	
	Wavelength Repeatability	±0.1nm	
	Wavelength Accuracy	≤±1.0nm	
	Spectrum Band Width	8nm	
	Response Time	0.0s-4.9s	
	Linearity Range	1.8AU (5%)	
	Baseline Noise	≤±1×10-5AU	
	Baseline Drife	≤2.0×10-4AU/h	
	Minimum Detectable Concentration	4.0×10-9g/mL(Naphthalene in Methanol Solution)	
	Detector Cell	Optical Path--10mm, Volume--10μL	
	Light Source	Deuterium Lamp	
	Power Dissipation	100W	
Gradient Mixer		/	GM1100
Sampler Injector		1	1
Supersil ODS2 5μm ID4.6×200mm		1	1
Workstation (Without Computer & Printer)		1	1
Valve Mounting Frame		1	1
Kits		Isocratic System Kits	Gradient System Kits
Power Supply		AC110/220V±10%, 50/60Hz	
Optional Accessory		Solvent bottle, Column, Column Oven PC,	
Package Size(W*D*H)		600*440*380mm, 600*410*300mm*2	600*440*380mm, 600*410*300mm*3
Gross Weight		54kg	75kg

High Performance Liquid Chromatography

Features:

* Adopting mature and reliable mechanical structure, optical structure and circuit structure of core technology,
* Stepper motor 64 subdivision control technology to improve accuracy at low flow rates
* Straight-through pressure transmitter
* Scientific air duct design to effectively reduce baseline drift

Technical Parameters:

Model		BK-LCI3100	BK-LCGH3100	BK-LCQL3100
High Pressure Constant Flow Pump	Quantity	1 Set	2 sets	1 Set
	Flow Rate Range	0.001mL/min-10.000mL/min		
	Flow Accuracy	≤±0.2% (1.00ml/min, H2O,R.T.,8.5MPa)		
	Flow Precision	RSD≤0.075% (1.00ml/min, H2O,R.T.,8.5MPa)		
	Maximum Pressure	45MPa		
	Pressure accuracy	≤±3.0%		
	Pressure pulsation	≤0.1MPa		
UV/VIS Detector	Wavelength Range	190-700nm		
	Wavelength Repeatability	≤0.1nm		
	Wavelength Accuracy	≤±1.0nm		
	Band Width	8nm		
	Response Time	0.0s-5s		
	Baseline Noise	≤±0.5×10-5AU		
	Drift	≤1.0×10-4AU/h		
	Path length	10 mm(analytical cell)		
	Light Source	Deuterium Lamp		
Low-Pressure Gradient Unit	Integrated vacuum degasser	/		4 channel
	Composition Rang			0-100%
	Composition Precision			≤0.2% RSD
	Composition Accuracy			≤±2.0%
Data-processing Workstation		◆ Internal and external standard calculation methods ◆ Automatically displays, prints, exports and starts other programs after the completion of a measurement. ◆ Comply with the requirements of the 21 CFR Part 11 directive of the FDA		
3100 System Kits		1 Set		
Power Supply		AC110/220V±10%, 50/60Hz		
Optional Accessory		Solvent bottle, Column, Column Oven, Auto-sampler, DAD512 Detector, RI-201HDetector, Refractive Index Detector, Evaporative Light Scattering Detector, Fluorescence Detector PC		
Package Size(W*D*H)		600*440*380mm*4		
Gross Weight		68kg		

High Performance Liquid Chromatography

Features:

* Highly integrated ARM microcontroller SPI, I2C technology
* Accurate automatic wavelength positioning and excellent wavelength accuracy
* Plunger floating design, more stable output
* Intelligent sequence analysis and batch processing
* Chromatography workstation software meets 21 CFR Part 11

Technical Parameters:

Model		BK-LCI5100	BK-LCG5100	BK-LCQL5100
Pump	Type	Isocratic Pump	Gradient Pump	Quarternary Low Pressure Pump
	Flow Rate Range	0.001-10.000mL/min, in 0.001mL increments		
	Flow Accuracy	≤±0.2% (1.00ml/min, H2O,R.T.,8.5MPa)		
	Flow Precision	RSD≤0.06% (1.00ml/min, H2O,R.T.,8.5MPa)		
	Maximum Pressure	63MPa		
	Pressure accuracy	≤±3.0%		
	Pressure pulsation	≤0.1MPa		
	Composition rang	/	0-100%	0-100%
	Composition precision	/	≤0.2%RSD	≤0.3%RSD
UV/VIS Detector	Wavelength Range	190-800nm		
	Wavelength Repeatability	≤0.1nm		
	Wavelength Accuracy	≤±1.0nm		
	Band Width	6nm		
	Response Time	0.0s-5s		
	Baseline Noise	≤±0.25×10-5AU(empty cell, 254nm, 1.0s)		
	Drift	≤0.5×10-4AU/h(empty cell, 254nm, 60min)		
	Path length	10 mm(analytical cell)		
	Light Source	Deuterium Lamp and Tungsten Lamp		
Data-processing Workstation		◆ Sequence tables for any set of samples ◆ Internal and external standard calculation methods ◆ Automatically displays, prints, exports and starts other programs after the completion of a measurement. ◆ Comply with the requirements of the 21 CFR Part 11 directive of the FDA		
5100 System Kits		1 Set		
5100 System Manager		Integrated A/D converters		Integrated A/D converters Integrated vacuum degasser, 4 channel
Power Supply		AC110/220V±10%, 50/60Hz		
Optional Accessory		Solvent bottle, Column, Column Oven, Auto-sampler, DAD512 Detector, Refractive Index Detector, Evaporative Light Scattering Detector, Fluorescence Detector PC		
Package Size(W*D*H)		700*570*310mm; 700*570*350mm; 710*583*500mm; 730*450*440mm; 600*440*380mm; 770*450*700mm		
Gross Weight		156kg		

Optical Columns:

Column name	Model	Granularity (μm)	Specification (mm)	Column name	Model	Granularity (μm)	Specification (mm)
Supersil ODS2	31113001	5	2.1*150	Supersil 120A SCX	31113078	5	4.6*150
	31113002	5	4.6*150		31113079	5	4.6*200
	31113003	5	4.6*200		31113080	5	4.6*250
	31113004	5	4.6*250		31113081	5	4.6*300
	31113005	5	4.6*300	Supersil 300A SCX	31113082	5	4.6*150
	31113065	3	4.6*50		31113083	5	4.6*200
	31113066	3	4.6*100		31113084	5	4.6*250
	31113067	3	4.6*150		31113085	5	4.6*300
	31113068	3	2.1*50	Supersil AQ-C18	31113057	5	4.6*150
	31113069	3	2.1*100		31113058	5	4.6*200
Supersil ODS-B	31113034	5	2.1*150		31113059	5	4.6*250
	31113043	5	4.6*100		31113060	5	4.6*300
	31113039	5	4.6*150	Supersil Phenyl	31113094	5	2.1*150
	31113040	5	4.6*200		31113086	5	4.6*150
	31113041	5	4.6*250		31113087	5	4.6*200
	31113042	5	4.6*300		31113088	5	4.6*250
	31113044	5	4.0*100		31113089	5	4.6*300
	31113035	5	4.0*150	Supersil NH2	31113074	5	4.6*150
	31113036	5	4.0*200		31113075	5	4.6*200
	31113037	5	4.0*250		31113076	5	4.6*250
	31113038	5	4.0*300		31113077	5	4.6*300
Supersil C8	31113053	5	4.6*150	Supersil NH2-S	31113090	5	4.6*150
	31113054	5	4.6*200		31113091	5	4.6*200
	31113055	5	4.6*250		31113092	5	4.6*250
	31113056	5	4.6*300		31113093	5	4.6*300
Supersil 120A C4	31113061	5	4.6*150	Supersil CN	31113070	5	4.6*150
	31113062	5	4.6*200		31113071	5	4.6*200
	31113063	5	4.6*250		31113072	5	4.6*250
	31113064	5	4.6*300		31113073	5	4.6*300
Supersil 300A C4	31113049	5	4.6*150	Supersil SiO2	31113045	5	4.6*150
	31113050	5	4.6*200		31113046	5	4.6*200
	31113051	5	4.6*250		31113047	5	4.6*250
	31113052	5	4.6*300		31113048	5	4.6*300

Note: we have more columns, and the listed models are for your reference.

Gas Generator

Pure Water Hydrogen Generator

Laboratory Type

Breathing Type (Iron shell)

Breathing Type (plastic shell)

Features:

* SPE technology.
* No corrosion and pollution.
* Suitable for all kinds of GC(Gas chromatography).
* Stable output flow, safe and convenient to operate, various alarm devices (over pressure alarm, water shortage alarm, water accumulated alarm).
* High purity hydrogen (99.999%)(for Laboratory type).
* The electrolytic cell adopts imported ionic membrane, which has the characteristics of resistance, durability and long life.(for Breathing Type (plastic shell).
* The output flow of electrical automatic control system is stable and the fluctuation is small. (for Breathing Type (plastic shell).

Technical Parameters:

Model	HGC-200	HGC-300	HGC-300T	HGC-300S	HGC-600	HGC-600T	HGC-600S
Type	Laboratory type	Laboratory type	Breathing Type (Iron shell)	Breathing Type (plastic shell)	Laboratory type	Breathing Type (Iron shell)	Breathing Type (plastic shell)
Output Flow(ml/min)	0～120ml/min	0～180ml/min	0～230ml/min	0～230ml/min	0～360ml/min	0～500ml/min	0～500ml/min
Output Pressure	0.4MPa/0.02～0.7MPa (under stable pressure)	0.4MPa/0.02～0.7MPa (under stable pressure)	0.2MPa	0.2MPa	0.4MPa/0.02～0.7MPa (under stable pressure)	0.2MPa	0.2MPa
Hydrogen Purity	＞99.999%	＞99.999%	99.99%	99.99%	＞99.999%	99.99%	99.99%
Silicon tube	Yes	Yes	No	No	Yes	No	No
Pressure stability	<0.001Mpa						
Consumption	120W	150W			200W		
Power Supply	AC 110V/ 220V±10%, 50/60Hz						
External Size （W*D*H） mm	350*220*380mm	350*220*380mm	400*270*430mm	400*270*430mm	350*220*380mm	400*270*430mm	400*270*430mm
Package Size （W*D*H） mm	500*370*540mm	500*370*540mm	500*370*550mm	560*402*600mm	500*370*540mm	500*370*550mm	560*402*600mm
Net Weight （kg）	11	11	9	8	13	9.5	9
Gross Weight （kg）	12	12	10.5	9.5	14	11	10.5

Nitrogen Generator

General type (NG-300, NG-500)

High purity type (NG-300H,NG-500H)

Features:

* Safe and convenient.
* Compact structure. Take up very little laboratory space.
* Nitrogen generators supply ideal ultra pure nitrogen for GC(Gas Chromatography), LC/MS(Liquid Chromato graph/Mass Spectroscopy) and Thermal Analyzer.
* Continuously generate ultra pure nitrogen through Pressure Swing Adsorption (PSA) technology. No longer need to use inconvenient and dangerous high pressure nitrogen cylinders in laboratory.

Technical Parameters:

Model	NG-300	NG-300H	NG-500	NG-500H
Output Flow	0~300 ml/min		0~500 ml/min	
Output Pressure	0~0.4 MPa			
Purity	99.99%	99.999%	99.99%	99.999%
Surrounding Requirement	0-40℃, no dust and corrosive gas			
Consumption	<680 W		<700 W	
Power Supply	AC 110V/ 220V±10%, 50/60Hz			
External Size （W*D*H） mm	520*286*700mm	520*286*700mm	520*286*700mm	520*286*700mm
Package Size （W*D*H） mm	650*450*950mm	630*390*870mm	650*450*950mm	630*390*870mm
Net Weight （Kg）	50	50	50	50
Gross weight(kg)	58	60	58	60

Nitrogen & Hydrogen & Air Generator

Features:

* It can replace traditional high pressure cylinders. N_2, H_2 and air are generated separately or together, intermittently or continuously. The purity of gas will not decay for long time use.
* Easy to operate, switching power on to produce gas, regular output flow, completely automatic tracking equipment.
* Generate nitrogen through world's leading Pressure Swing Adsorption (PSA) technology, which replaces the traditional electrolyte separation technology.
* It is safe and convenient to operate, has no corrosion toward instrument and supplies gas for 24 hours.
* Generate hydrogen through lye hydrogen production technology .
* It's powered by whole sealing silent air compressor. After purification, water, oil, dust and impurities are removed. Through pressure stable system, pure and silent air is finally produced under stable pressure.

Technical Parameters:

Model	NHA-300		
Gas Type	N_2	H_2	Air
Output Flow	0~300ml/min	0~300ml/min	0~1000ml/min
Output Pressure	0~0.4MPa		
Purity	99.99%	99.999%	Three-level Purification, CO_2: 0.039%, Oil: 0.54ppm
Consumption	<350W		
Power Supply	AC110/220V±10%, 50/60Hz		
External Size(W*D*H) mm	440*440*475		
Package Size(W*D*H) mm	600*600*630		
Net Weight(kg)	55		
Gross Weight(kg)	65		

Oxygen Generator(Oxygen Concentrator)

Application:

Oxygen generators(concentrators) typically use pressure swing adsorption (PSA) technology and are widely used for oxygen provision in healthcare applications, especially where liquid or pressurized oxygen is too dangerous or inconvenient, such as in homes or in portable clinics.

Oxygen generators(concentrators) are also used to provide an economical source of oxygen in industrial processes, where they are also known as oxygen gas generators or oxygen generation plants.

OG-1000

OG-3000/5000

Features:

* French imported molecule sieve, long life and more efficiency.
* Adopts american PSA technology, use Physical method to separate pure oxygen from air.
* Brand-new design, Small size and nice looking.
* Compact structure design, light weight, easy to move.
* Advanced oil-free compressor, save 30% power energy.
* Big LCD Screen easy to operate.
* Displaying the oxygen concentration in real time.
* Optional nebuylizer and oxygen purity alarm function.
* Power off alarm, abnormal voltage alarm.

Technical Parameters:

Model	OG-1000	OG-3000	OG-5000
Oxygen Flow	1000ml/min	1000~3000ml/min	1000~5000ml/min
Oxygen Concentration	≥93%±3%		
Output Pressure	30~70KPa		
Noise	≤43dB(A)	≤46dB(A)	≤56dB(A)
Maximum Spray Rate	≥150ml/min		
Input Consumption	≤230W	≤330W	
Power Supply	AC110/220V±10%, 50/60Hz		
Package Size(W*D*H)mm	442*265*405	560*395*700	
Net Weight(kg)	9.5	27	
Gross Weight(kg)	10.5	28	

Homogenizer

Application:

Homogenizer is widely used in fields of Biotechnology, Human and veterinary medicine/ clinical medicine, Pharmaceutical industry, Cosmetics industry, Food industry, Petrochemistry, Paint and lacquer industry etc.

Features:

* For BK-HG160: light weight and ergonomic design, ideal for handheld operation.
* Safety switch for emergency stop, overload protection, smooth motor drive.
* All dispersing shafts are interchangeable for easy dismantling and cleaning.
* 316 stainless steel dispersing shafts are autoclavable and anti-corrosive.

BK-HG160 BK-HG500

Technical Parameters:

Model	BK-HG160	BK-HG500
Speed Range	8000~30000rpm	10000~30000rpm
Max. Circum. Speed	6.3~14m/s	22.7~36m/s
Speed Control	6 stage is adjustable by knob	
Working Volume (H_2O)	0.1~50ml (Dispersing shaft DS-160/5) 1~250ml (Dispersing shaft DS-160/10)	10~40000ml
Max. Viscosity	5000mPas	10000mPas
Material of Dispersing Shaft	SS316 & PTFE seal ring	
Noise	≤72dB	≤79dB
Ambient Temp.	0~40℃	
Relative Humidity	85%RH	
Protection Type	IP20	
Consumption	160W	500W
Power Supply	AC110/220V±10%, 50/60Hz	
Standard Accessory	Base stand + DS-160/5 dispersing shaft or Base stand + DS-160/10 dispersing shaft	Base stand + DS-500/1 dispersing shaft or Base stand + DS-500/2 dispersing shaft
Package Size(W*D*H)	400*200*150mm	820*350*90mm
Gross Weight	3kg	8.5kg

Components of Dispersing Shaft:

Stator:

S20C S20F S30C S30F S40C

Rotor:

SR20 SR30 CR20 CR30 CR40 MR20 MR30 ER20 ER30

Optional Accessories:

Cat. No.	Combination Stator + Rotor	Model	Working Volume (ml)	Diameter of Stator	Diameter of Rotor	Min. / Max. Immersion Depth	Application
18900113	DS-160/5	BK-HG160	0.1~50	5mm	3mm	7/50mm	Small amounts of solid-liquid mixtures
18900114	DS-160/10		1~250	10mm	6mm	10/120mm	
18201331	DS-500/1	BK-HG500	10~5000	20mm	15mm	40/175mm	Solid-liquid mixtures
18201332	DS-500/2						Water and oil mixture
18900117	DS-500/5			5mm	4mm	10/60mm	All homogenizing applications
18900205/ 18900215	S20C+CR20		10~5000	20mm	15mm	40/175mm	Tissue fibrosis
18900205/ 18900216	S20C+MR20						Solid-liquid mixtures
18900206/ 18900215	S20F+CR20						Tissue fibrosis
18900206/ 18900216	S20F+MR20						Solid-liquid mixtures
18900213/ 18900208	S30C+SR30		100~8000	30mm	23mm		
18900213/ 18900209	S30C+CR30						Tissue fibrosis
18900213/ 18900229	S30C+MR30						Solid-liquid mixtures
18900228/ 18900208	S30F+SR30						
18900228/ 18900212	S30F+ER30						Lactescence
18900228/ 18900229	S30F+MR30						Solid-liquid mixtures
18900213/ 18900216	S30C+MR20		250~20000				Stirring
18900214/ 18900229	S40C+MR30		1000~40000				

Stomacher Blender

Application:

Sterile homogenizer is also called flapping homogenizer or stomacher blender, widely used in homogenization treatment for animal tissue, biological samples, etc.

It plays an important part in food, medicine, cosmetics, clinical, molecular, toxin and bacteria test, especially in microorganism testing sample preparation.

Features:

* LCD display, microcomputer control.
* Intelligent program control, able to set the flapping time and speed.
* Adjustable flapping spacing, easy to process samples with different amount.
* Disposable sterile bag guarantees hygiene and safety.
* Toughened glass window, easy to observe.
* With anti-pinch function and pause function.

Technical Parameters:

Model	BK-SHG04	BK-SHG05
Flapping Time	0.1~99min 59s or continuous operation	
Flapping Speed	3~12 times/s	
Flapping Spacing	0~50mm adjustable	
Effective Capacity	3~400ml	
Program Setting and Storage	3 groups	12 groups
Temp Control Range	/	RT~60°C
Disinfection Function	/	UV lamp disinfection
Sterile Bag	17*30cm, standard 100 pcs	
Start Mode	Soft start	
Consumption	200W	500W
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	470*250*330mm	
Package Size(W*D*H)	570*340*460mm	
Net Weight	19kg	
Gross Weight	22kg	

Jacketed Glass Reactor

Application:

Jacketed glass reactors are designed for synthetic reaction of different types of materials in a controlled temperature and vacuum environment. Each reactor features adjustable stirring speeds and a constant pressure feeding funnel that allows you to add material to the vessel at a uniform and controlled speed. The built-in condenser makes it possible to recover some materials, also at a controlled rate of speed.

1/2/3/5L

10-50L

100L

Features:

* GG17 high borosilicate glass, with good chemical and physical properties.
* The evaporation and back-flow of reaction material can be controlled.
* The heat of reaction could be taken away quickly through water, cycling in the jacketed glass.
* The design of large bottle mouth, easier to clean.
* It can be used as a distillation syntheses device.
* The sealing performance is 0.098 Mpa.
* LCD display, easier and more convenient to measure temperature.

Optional Equipment:

* Circulating water vacuum pump: (JGR-1L~5L, recommend mode SHZ-DIII, JGR-10L~100L, recommend model SHZ-95B)
* Refrigerated Circulator
* Circulating water/oil bath

Technical Parameters:

Model	JGR-1L	JGR-2L	JGR-3L	JGR-5L	JGR-10L	JGR-20L	JGR-30L	JGR-50L	JGR-100L
Reaction Flask Capacity	1L	2L	3L	5L	10L	20L	30L	50L	100L
Stirring Power	60W				120W				180W
Stirring Speed	0~600rpm(Max.1300 customized)								
Stirring Shaft Diameter	12mm				14mm		16mm		18mm
Motor Torque(g/cm)	2000	2400		4800	1000	1200		1500	3000
Power Supply	AC110/220V, 50/60Hz								
Package Size (W*D*H)mm	1250*550*550			1330*550 *550	1300*550 *600	1520*600 *680	1620*600 *680	1620*600 *680	1950*820 *900
Gross Weight(kg)	40			45	91	95	110	116	160

Jar Tester

Application:

It's a testing instrument used to carry out the jar test during procedure of water treatment. It is used to simulate the process of adding agent , reaction, coagulation and settling which happen during the procedure of water treatment (including purification of drinking water and sewage treatment),widely used in scientific research, water supply plant and sewage treatment plant, colleges and universities, water treatment agent manufacturer etc.

BJT-4

BJT-6

Features:

* LCD display
* Synchro run, independent run
* Store 12 groups of programs
* Automatic calculating G & GT value
* Automatic agent dosing and elevating

Technical Parameters:

Model	BJT-4(Portable)	BJT-6(Desktop)
Beakers	4pcs	6pcs
Acrylic Beaker	Round, 0.6L Φ95*130mm	Round, 1.0L Φ110*180mm
		Square optional, 1.5L 110*110*170mm
Speed Range	10~1000rpm, stepless speed regulation	
Speed Accuracy	±0.5%	
Speed Gradient(G value)	10~1000/s. Just for round beaker	
Running Time	Each step: 0~99min, 10 steps each program	
Measurement Temp. Range	0~50℃	
Measurement Temp. Accuracy	±1℃	
Consumption	80W	180W
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm	550*390*210	1080*350*400
Package Size(W*D*H)mm	610*450*270	950*480*530
Gross Weight(kg)	11	33

Automobile Exhaust Analyzer

Applications:

Used to measure vehicle emissions of gas concentration.

BK-EA201

BK-EA301

BK-EA401

BK-EA501

Features:

* With built-in printer
* With a high-brightness digital display
* Automatic zero, linear automatic data processing, auto-alarm when the gas line blocking

Technical Parameters:

Model	BK-EA201	BK-EA301	BK-EA401	BK-EA501
Measuring Range	HC: 0~10000*10^{-6}(ppm)vol CO: 0~10*10^{-2}(%)vol	HC: 0~10000*10^{-6}(ppm)vol CO: 0~10*10^{-2}(%)vol NO_x: 0~5000*10^{-6}(ppm)vol	HC: 0~10000*10^{-6}(ppm)vol CO: 0~10*10^{-2}(%)vol CO_2: 0~20*10^{-2}(%)vol O_2: 0~25*10^{-2}(%)vol	HC: 0~10000*10^{-6}(ppm)vol CO: 0~10*10^{-2}(%)vol CO_2: 0~20*10^{-2}(%)vol O_2: 0~25*10^{-2}(%)vol NO_x: 0~5000*10^{-6}(ppm)vol
Indicating Error	HC±12*10^{-6}(ppm)vol CO±0.06*10^{-2}(%)vol	HC±12*10^{-6}(ppm)vol CO±0.06*10^{-2}(%)vol NO_x±25*10^{-6} (ppm)vol	HC±12*10^{-6}(ppm)vol CO±0.06*10^{-2}(%)vol CO_2±0.5*10^{-2}(%)vol O_2±0.1*10^{-2}(%)vol	HC±12*10^{-6}(ppm)vol CO±0.06*10^{-2}(%)vol CO_2±0.5*10^{-2}(%)vol O_2±0.1*10^{-2}(%)vol NO_x±25*10^{-6}(ppm)vol
Stability	Moment drift≤±3%			
Repeatability	≤±2%			
Response Time	95% response is not more than 10 seconds			
Preheating Time	8min (preheating 3min emergency detection)			
Power Supply	AC110/220V±10%, 50/60Hz; Optional DV12V			
Package Size(W*D*H)	610*415*295mm			
Gross Weight	13kg			

Portable Pulse Oximeter

BK-PO1

BK-PO2

Features:

* Monitor SpO2, Pulse Rate & Temperature.
* Audio and visual alarm when the parameter range is exceeded or the sensor is off.
* Common AA alkaline batteries, support 7 consecutive working hours(only for BK-PO1).
* Built-in rechargeable Li-ion battery, up to 15-hour running time(only for BK-PO2).
* Bluetooth wireless is very convenient to realize reviewing the measurements in big screen via connecting PC and to upload history data to PC for review, printing or storage (only for BK-PO2).
* Unique software for remote monitoring via synchronous data transfer (only for BK-PO2).

Technical Parameters:

Model	BK-PO1	BK-PO2
Display	LED	LCD
SpO2	Patient range: adult, child and neonate	
	Measurement range: 35% ~ 99%	
	Resolution: 1%	
	Accuracy: 2% (70% ~ 99%); unspecified (0% ~ 69%)	
Pulse Rate	Measurement range: 30bpm ~ 250bpm	
	Resolution: 1bpm	
	Accuracy: 2bpm	
Temperature (only for BK-PO2)	Channel: 1	
	Input: body surface thermal-sensitive resistor temperature sensor	
	Range: 0℃ ~ 50℃	
	Resolution: 0.1℃	
	Accuracy: 0.2℃	
Power Supply	Common 1.5V AA alkaline batteries (only for BK-PO1) D.C. 3.7V/3000mAH Li-ion rechargeable battery (only for BK-PO2)	
Standard Accessories	Oximeter main unit, Adult finger SpO2 sensor	Oximeter main unit, Adult finger SpO2 sensor, Skin surface skin TEMP probe, USB communication cable, Bluetooth radio, VSDV/Guardian/Bluetooth software disk
Package Size(W*D*H)	220*160*75mm	
Gross Weight	1.0kg	

Refractometer

Application:

BK-R670 Automatic Refractometer includes high-performance CCD light-sensitive part, can accurately and efficiently process sample analysis tests through unique signal acquisition, analysis and processing technology.

Features:

* Cloud service system, connecting cloud database with instruments;
* 7″ LCD touch screen and innovative WINDOWS software interface
* 2 USB ports, RS232 port and internet port for connecting printer or internet, U disk and SD card port for data exporting.
* Perfect measuring prism
  Measuring prism is made of high hardness sapphire glass, of excellent properties against corrosion and scratches, free for clean and durable.
* Ultra long life light source
  It adopts High brightness LED lights with service life exceeding 100000 hours
* Auto temperature control system
  It adopts Peltier temperature control system, make sure the whole testing with accuracy and constant temperature.

Technical Parameters:

Model	BK-R670
Refractive Index Measuring Range	1.30000~1.70000nD
Measuring Error	±0.0001nD
Measuring Resolution	0.0001/0.00001nD(Optional)
Brix Measuring Range	0~100%
Measuring Error (Brix)	±0.1%
Measuring Resolution (Brix)	0.1%/0.01%(Optional)
Temperature Control Mode	Peltier temperature controller
Temperature Display Range	10~85℃
Temperature Control Range	5~70℃
Temperature Control Accuracy	±0.05℃
Interface	RS232, USB, Ethernet interface
Data Storage Capacity	4G
Display	7″ TFT LCD touch screen
Consumption	45W
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)	365*300*150mm
Package Size(W*D*H)	480*410*310mm
Gross Weight	10kg

ABBE Digital Refractometer

Features for BK-RZT:

* Full automatic measuring
* Touch Screen
* LCD temperature display, automatic correction and saving the data
* Standard RS232 and USB interface

BK-RZT

Features for BK-R2S:

* Hard glass prism
* Standard RS232 interface
* Measure the Brix of sugar solution
* Visual aim and LCD display
* Automatic correcting of the effect of temperature on the Brix
* Measuring refractive index nD of transparent or translucent liquid and solid substances.

BK-R2S

Technical Parameters:

Model	BK-RZT	BK-R2S
Measuring Range	1.30000~1.70000nD Brix: 0-100%	1.3000~1.7000nD Brix: 0-100%
Measuring Resolution	±0.00001nD Brix: 0.01%	±0.0001nD
Measuring Accuracy	±0.0002nD Brix: ±0.1%	±0.0002nD Brix: ±0.1%
Test Mode	8	/
Temperature Control Range	RT ± 10℃	0~50 ℃
Temperature Resolution	0.1℃	
Temperature Accuracy	0.5℃	
Interface	RS232, USB	RS232
Display	7" LCD touch screen	LCD
Prism	Sapphire glass	Hard glass
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	340*200*110mm	210*110*310mm
Package Size(W*D*H)	501*331*216mm	370*240*470mm
Gross Weight	4kg	12kg

Portable Refractometer

Application:

Low Range: fruit juice, tomato juice, cola and most kinds of beverage
Middle Range: concentrated fruit juice, canned food, sugar solution inclusions, sauce, ketch up, seasoning and many kinds of industry fluids
High Range: liquid sugar, honey etc.

They can be used for industry fluid testing, such as for vegetable oils, industry, and many other chemical liquids or laboratory use fluids

Technical Parameters:

	Model	Range	Minimum Scale	Package Size(W*D*H)	Gross Weight
Brix	BK-PR5	0~5%	0.1%	155*25*40mm	0.15kg
	BK-PR10	0~10%	0.1%		
	BK-PR18	0~18%	0.1%		
	BK-PR20	0~20%	0.1%		
	BK-PR32	0~32%	0.2%		
	BK-PR50	0~50%	0.5%		
	BK-PR60	0~60%	0.5%		
	BK-PR62	28~62%	0.2%		
	BK-PR82	45~82%	0.5%		
	BK-PR92	58~92%	0.2%		
	BK-PR80	0~80%(1 ranges)	0.5%		
	BK-PR90	0~90%(1 ranges)	0.5%		
Honey	BK-PRN3	58~92% Brix	0.5% Brix		
		38~43 oBe'	0.5 oBe'		
		12~27% Water	1% Water		
Salinity	BK-PRA1	0~100‰	1‰		
		1.000~1.070	0.005		
	BK-PRA2	0~28%	0.2%		
	BK-PRA3	0~35%	0.5%		
	BK-PRA4	0~40 PPT	1‰		
	BK-PRS1	0~100‰ Salinity	1‰		
		1.000~1.070	0.005		
		0~10% Brix	0.1%		
	BK-PRS2	0~28% Salinity	0.2%		
		0~32% Brix	0.2%		

Portable Digital Refractometers

Features:

* Wide choice-over 20 models available
* Automatic temperature compensation
* Automatic power management

Technical Parameters:

Model	Scale	Range	Division	Accuracy	Temp. Range	Temp. Precision	Power Supply	Packing Size (W*D*H)mm	G.W. (kg)
PDR-35	Brix (%)	0~35%	0.1	±0.2	0°C~40°C (32°F~ 104°F)	± 0.5°C(1°F)	2 x AAA (1.5V)	160*100*60	0.5
	Refractiv Index	1.3330~1.3900	0.0001	±0.0003					
PDR-45	Brix (%)	0~45%	0.1	±0.2					
	Refractiv Index	1.3330~1.4098	0.0001	±0.0003					
PDR-65	Brix (%)	28~65%	0.1	±0.2					
	Refractiv Index	1.3770~1.4535	0.0001	±0.0003					
PDR-92	Brix (%)	58~92%	0.1	±0.2					
	Refractiv Index	1.4370~1.5233	0.0001	±0.0003					
PDR- HN1	Brix (%)	58~92%	0.1	±0.2					
	° B, e	38~43	0.1	±0.1					
	Water (IHC2002)	13~25	0.1	±0.1					
	Refractiv Index	1.4370~1.5233	0.0001	±0.0003					
PDR-HN2	Brix (%)	58~92%	0.1	±0.2					
	° B, e	38~43	0.1	±0.1					
	Water (IHC2002)	17~27	0.1	±0.1					
	Refractiv Index	1.4370~1.5233	0.0001	±0.0003					
PDR-A1	salinity	0~28%	0.1	±0.2					
	Ref ractiv Index	1.3330~1.3900	0.0001	±0.0003					
PDR-S1	Brix (%)	0~35%	0.1	±0.2					
	salinity	0~28%	0.1	±0.2					
	Refractiv Index	1.3330~1.3900	0.0001	±0.0003					
PDR- WN1	MASS S/W(%)	0~35%	0.1	±0.2					
	VOL AP(%)	0~22%	0.1	±0.1					
	Oe(Germany)	0~150	1	±1					
	KMW	0~25	0.1	±0.1					

Technical Parameters:

Model	Scale	Range	Division	Accuracy	Temp. Range	Temp. Precision	Power Supply	Packing Size (W*D*H)mm	G.W. (kg)
PDR-WN2	MASS S/W(%)	0~35%	0.1	±0.2	0°C~40°C (32°F ~104°F)	± 0.5°C(1°F)	2 x AAA (1.5V)	160*100*60	0.5
	VOL AP(%)	0~22%	0.1	±0.1					
	Oe(Germany)	30~150	1	±1					
	KMW	0~25	0.1	±0.1					
PDR-WN3	MASS S/W(%)	0~35%	0.1	±0.2					
	VOL AP(%)	0~22%	0.1	±0.1					
	Oe(Switzerland)	0~150	1	±1					
	KMW	0~25	0.1	±0.1					
PDR-R1	SERUM P. (g/dl)	1.000~1.050	0.001	±0.001					
	URINE SP.G	0~12g/dl	0.1	±0.1					
	Refractiv Index	1.3330~1.3900	0.0001	±0.0003					
PDR-R2	SERUM P. (g/dl)	0~14g/dl	0.1	±0.1					
	URINE SP.G (dog)	1.000~1.060	0.001	±0.001					
	Refractiv Index	1.3330~1.3900	0.0001	±0.0003					
PDR-R3	SERUM P. (g/dl)	0~14g/dl	0.1	±0.1					
	URINE SP.G (cat)	1.000~1.060	0.001	±0.001					
	Refractiv Index	1.3330~1.3900	0.0001	±0.0003					
PDR-L1	Alcohol	0~60%v/v	0.1	±0.3					
PDR-L2	Alcohol	0~60%w/w	0.1	±0.5					
PDR-L5	Methanol	0~60%w/w	0.1	±0.5					
PDR-K1	Soybean milk concentration	0~35%	0.1	±0.3					
PDR-C1	Glycol	32~50°F	0.1°F	±10F					
	Propanediol	32~-50°F	0.1°F	±10F					
	Battery fluid	1.00~1.50sg	0.01 sg	± 0.01 sg					
	Clearance	0~40°F	0.1°F	±10F					
PDR-C2	Glycol	0~-50°C	0.1°C	±10C					
	Propanediol	0~-50°C	0.1°C	±rc					
	Battery fluid	1.00~1.50sg	0.01 sg	± 0.01 sg					
	Clearance	0~-40°C	0.1°C	±rc					
PDR-C3	Glycol	0~80%	0.10%	±0.3%					
	Propanediol	0~70%	0.10%	±0.3%					

Polarimeter

Features:

* Automatic calibration function, to calibrate optical rotation via five standard points(BK-P810A, BK-P850A);
* Peltier temperature control; temperature range: 15~30℃, temperature accuracy: ±0.3℃(BK-P850, BK-P850A);
* 5.6″ color touch screen for displaying and operating, WINDOWS operating interface;
* Wide measuring range: optical rotation: ±89.99°, optical specific rotation: 259°Z.

Technical Parameters:

Model	BK-P810	BK-P810A	BK-P810Pro	BK-P850	BK-P850A	BK-P850Pro
Light Source	LED lamp					
Measuring Range	±89.99°, 259°Z					
Wavelength	589.3nm					
Readable Accuary	0.001°					
Measuring Accuracy	0.02°					
Repeatability	0.002°					
Sample Transmittance	＞0.1%					
Temp. Control Range	\			Built in Peltier, 15 -30℃, ±0.3℃		
Test Mode	Optical rotation, optical specific rotation, concentration, sugar scale Z					
Display	5.6'' color touch screen; (8" color touch screen for BK-P810Pro/850Pro)					
Data Storage Capacity	1000sets; (8GB for BK-P810Pro/850Pro)					
Interface	RS232 or USB; Excel format and "Blue Ocean" format; (WI-FI for BK-P810Pro/850Pro)					
Atlas Duration	4 Hours only for BK-P810Pro/P850Pro					
Power Consumption	250W					
Power Supply	AC220V±10%, 50Hz					
External Size(W*D*H)	708*330*287mm					
Package Size(W*D*H)	840*455*445mm					
Gross Weight	30kg			40kg		
▪ " A" in BK-P810A and BK-P850A mean automatic calibrate optical rotation.						

Automatic Polarimeter

BK-P1/2

BK-P3

Features:

* LCD Display
* Photoelectric test and microcomputer control.
* Preheating is not needed. (Only for BK-P1 and BK-P2 Model)
* Dark-colored sample can be measure. (Only for BK-P1 and BK-P2 Model)
* Automatic repetition-measurement for 6 times, and calculation of average value and means square root
* Sample chamber adopts constant temperature designing in order to reduce the temperature heating influence.

Technical Parameters:

Model	BK-P1	BK-P2	BK-P3
Light Source	LED lamp		Sodium lamp
Measuring range	±45°(optical rotation) /±120° Z(sugar)		
Wavelength	589nm		
Readable Accuracy	0.001°(optical rotation)		0.001°(optical rotation) 0.01°Z(sugar)
Measuring Accuracy	±0.01°(-15°≤ optical rotation≤ +15°) ±0.02°(optical rotation＜ -15°or optical rotation ＞ +15°)		±(0.01+measurement value*0.05%)°(optical rotation)
Repeatability	0.002°(optical rotation)		≤0.003°(optical rotation)
Sample Transmittance	＞1%		/
Temperature Control Range	/	15~30℃	/
Temperature Accuracy	±0.5℃		/
Test Mode	Optical rotation,specific rotation, concentration,sugar degree		
Test Tube	200mm, 100mm	200mm, 100mm, 100mm (Constant Temperature tube)	200mm,100mm
Interface	USB&RS232		RS232
Power Supply	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)	690*370*280mm		570*350*280mm
Package Size(W*D*H)	850*500*470mm		730*480*470mm
Gross Weight	38kg		36kg

BK-P2S Digital Automatic Polarimeter
BK-P2B Automatic Polarimeter

Features:

* LCD Display
* Storage of three times results and calculation of average values
* Dark-colored sample can be measured
* Photoelectric test and automatic servomechanism control

Technical Parameters:

Model	BK-P2S	BK-P2B
Light Source	LED lamp	
Measuring Range	±45°(optical rotation) /±120°Z(sugar)	±45°(optical rotation)
Wavelength	589nm	
Readable Accuracy	0.001°(optical rotation)0.01°Z(sugar)	0.002°(optical rotation)
Measuring Accuracy	±(0.01+measurement value*0.05%)°(optical rotation) ±(0.03+measurement value*0.05%)°Z(sugar)	±(0.01+measurement value*0.05%)°
Repeatability	≤0.002°(optical rotation)	≤0.01°(optical rotation)
Test Mode	Optical rotation, sugar degree	Optical rotation
Test Tube	200mm, 100mm	
Sample Transmittance	＞1%	＞10%
Interface	RS232	
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	570*350*280mm	
Package Size(W*D*H)	730*480*470mm	
Gross Weight	36kg	

Disc Polarimeter

Features:

* Visual aim
* Manual measure
* Easy to operate

Technical Parameters:

Model	BK-P4
Light Source	Sodium lamp
Wavelength	589.44nm
Measuring Range	-180° ~ +180°
Division Value	1°
Venire Readable Accuracy	0.05°
Magnifying Factor of the Magnifying Glass	4 X
Test Tube	200mm, 100mm
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)	440*110*230mm
Package Size(W*D*H)	600*220*400mm
Gross Weight	7.6kg

Optional Polarimeter Accessories

* **Micro Tube**
  With sample loading capacity less than 0.8ml and length of 50mm, suitable for BK-P2S,BK-P1 automatic polarimeter.
* **Heated Tube**
  Dedicated to BK-P2,BK-P3 for the length of about 100mm, the sample loading is 1.98ml; for length of 50mm, sample loading is about 0.99ml, and the non-corrosive type is optional to purchase.
* **Standard Quartz Tube**
  The only calibration equipment for standard polarimeter and optical Brix; with stable performance, less influence by the environment, and easy-to-use features, The loading of quartz tube includes±1°, ±5°, ±7°, ±34° and ±68°, for customer to choose accordingly.

Melting Point Apparatus

Colorless and color Sample Manual Melting Point Apparatus

Application:

This machine is used to determine the melting point of a substance.

It is widely used in the chemical industry and pharmacy research.

Such as measurement of spices, dyes and measurement of other organic crystal substances.

Featres:

* 8-inch LCD touch screen
* 720P HD camera, 8X optical zoom
* Linear heating rate 0.10 ℃-20.00 ℃ adjustable
* With USB interface can connect to a printer

Technical Parameters:

Model	BMP420
Temperature range	50 ~300℃
Temperature accuracy	0.4℃ (< 200℃); 0.7℃ (≥200℃)
Temperature resolution	0.1℃
Temperature repeatability	0.2℃ at 0.5℃/min
Linear heating up rate	0.1 to 20℃/min
Display	8 inch LCD touch screen
Standard capillary diameter	Internal dia. 1.0mm; External dia. 1.4mm
Capacity per batch	4 pcs
Interface	USB,Wire or wireless
Power consumption	150W
Power supply	AC220V±10%,50/60HZ;AC110V±10%,60HZ
External size(W*D*H)	340*200*200mm
Package size(W*D*H)	475*345*390mm
Gross weight	8kg

Digital Melting Point Apparatus

BMP-2C/1C

BMP-1B

Features for BMP-2C/1C:

* PID & PWM controller
* LCD touch screen for BMP-2C/BMP-1C
* USB & RS232 interface
* The melting curve can be recorded automatically
* It can calculate average value of initial and final melting points automatically

Features for BMP-1B:

* Photoelectric test
* LCD display
* RS232 interface
* Real time melting curve

Technical Parameters:

Model	BMP-2C	BMP-1C	BMP-1B
Measuring Range	RT~360℃	RT~400℃	RT~320℃
Resolution	0.1℃		
Linear heating-up Rate	0.1℃~20℃/min		0.2, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0℃/min
Temperature Accuracy	0.4℃ (≤200℃), 0.7℃(＞200℃)		
Repeatability	0.3℃		
Capillary Size	φ1.4mm(outside diameter), φ1.0mm(inside diameter), 80mm (height)		
Sample Loading Height	3~5mm		＞3mm
Data Storage	1000 sets		/
Optional Accessories	Printer		
Power Supply	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)	410*290*110mm	330*290*110mm	330*290*110mm
Package Size(W*D*H)	576*428*306mm	492*428*305mm	496*428*306mm
Gross Weight	13kg		11kg

Open-Cup Flash Point Tester

Application:

It is applicable to all petroleum products with flash points above 79℃ and below 400℃ except fuel oils.

BK-FP3536

BK-FP3536A

Features:

* It adopts special heating furnace to ensure the safety of test.
* The instrument adopts desktop structure. Easy to operate.
* Stainless steel working table and furnace.
* BK-FP3536A Automatic Open-Cup Flash Point Tester.
* LCD screen to display.
* Automatically open the lid,detect the flash point and print test data. The test arm automatically rise up and lower down.

Technical Parameters:

Model	BK-FP3536	BK-FP3536A
Thermometer	-6℃~400℃. It is the same as thermometer ASTM 11C	
Ambient Temperature	-10℃~50℃	10℃~40℃
Relative Humidity	≤85%	
Consumption	650W	400W
Test Flame Applicator	It applies the test flame automatically.	
Heating Device	Quartz tube furnace heating, no naked fire, explosion prevented. The power is adjustable from 0W to 600W.	
Lgniting Device	(1) Ignition source: coal gas(or civil gas) (2) Flame diameter is 3.2mm~4.8mm	Electric ignition. Gas flame diameter is 3.2mm~4.8mm
Flash Point Determination	\	Range: Ambient to 400℃, Repeatability: ≤8℃ Reproducibility: ≤17℃, Accuracy: 0.1℃
Power Supply	AC220V±10%, 50Hz	
Dimension(W*D*H)	350*290*350mm	410*360*310mm
Package Size(W*D*H)	520*440*340mm	600*510*600mm
Gross Weight	12kg	25kg

Closed-Cup Flash Point Tester

Application:

It is used to make determination of the closed cup flash point of the petroleum products.

BK-FP261

Features:

BK-FP261:

* The heating power is adjustable and shown visually by voltmeter.
* The structure is designed small and exquisite with stainless-steel table board.

BK-FP261A:

* Simulation tracking displays function curves of heating up and test time.
* Automatically calibrate the effect of atmospheric pressure to test the corrected value.
* Differential coefficient detection.Automatically correct the system deviation.
* Automatically open the lid,detect the flash point and print test data.
* The test arm rises up and lowers down automatically.
* Igniting with electric igniting gun,forced air cooling.

BK-FP261A

Technical Parameters:

Model	BK-FP261	BK-FP261A
Ambient Temperature	≤35℃	≤40℃
Relative Humidity	≤85%	≤80%
Flash Point Determination	Mercury-in-glass thermometer. Specifications are as below: Scale -5℃~110℃, division 0.5℃ Scale 20℃~150℃, division 1℃ Scale 90℃~370℃, division 2℃	Range: Ambient to 300℃ Repeatability: ≤3℃ Reproducibility: ≤4℃ Accuracy: 0.1℃
Oil Cup	Inner diameter: 50.7mm~50.8mm. Depth: 55.7mm~56.0mm The scribed line depth of capacity of testing oil: 33.9mm~34.3mm. Capacity of testing oil:about 70ml	
Stirring Rate	Procedure A: (90~120)RPM, Procedure B: (250±10)RPM	
Igniting Device	Igniting source: gas(or other civilian fuels, the same below) Electric ignition. Gas flame diameter: 3.2mm~4.8mm	
Heating Device	The heating power is continuously adjustable from 0 W to 600W.	
Heating Rate	(1~12)℃/min: Controllable and adjustable	Procedure A: (5~6)℃/min, Procedure B: (1~1.6)℃/min
Consumption	650W	500W
Power Supply	AC220V±10%, 50Hz	
Dimension(W*D*H)	340*320*450mm	520*360*310mm
Package Size(W*D*H)	470*400*410mm	600*510*600mm
Gross Weight	12.5kg	25kg

Pre-Processing of Bio-Samples

Homogenizer

Overview:

Typical Samples:

* Human, animal, plant cells
* Micro-organisms
* Soil and sediments
* Swabs and feces
* Drugs, polymers, lotions, etc.

Features:

* "3D Rotating High Speed Motion" for quick disruption of those fibrous tissues and resistant cells.
* 50 Programmable memory settings and user optional condition settings.
* A wide range of rotation speed settings from 4.0m/s to 7.0m/s, increment 0.05m/s.
* Brushless motor realizing no brush particle generation and no brush replacement.
* Easy to remove sample tube holder and easy to fix sample tubes with the turn of the central knob.
* Easy to monitor the disruption process through the clear lid.
* Disposable tubes ensure no threat of cross-contamination.
* Most samples can be processed in 35 seconds or less.

Technical Parameters:

Model	HG-24
Speed Range	4.0 m/s ~ 7.0 m/s (in steps of 0.05 m/s)
Cycle Duration	1～90 s (in step of 1 s)
Pause Time	1～90 s (in step of 1 s)
Acceleration	＜ 4s
Programmable	50
Number of Cycles	10
Display	OLED
Number of Samples	24*2ml / 1.5ml or 12*5ml
Tube Type	Grinding tube
Running Noise	< 70dB
Power Supply	AC110/220V±10%, 50/60Hz
External Size(L*D*H)mm	280*360*385
Package Size(L*D*H)mm	620*520*630
Net/Gross Weight(kg)	25/37

Semi Automated Plate Sealer

Features:

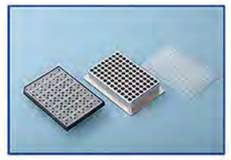
* Format different micro well plates and heat seals
* Adjustable Sealing Temperature: 80 - 200℃
* OLED display screen, high light and no visual angle limit
* Plate adapters allow use of PCR plate or virtually any ANSI micro plate.
* Sealing time and temperature can be set by using the control knob, OLED display screen, high light and no visual angle limit.

Control:

The PS-2 Semi Automated Plate Sealer allows optimal settings for all types of plates and sealing material. Sealing time and temperature can be set using the control knob.

* Automatic Counting Function
* Sealing Time in 0.1 sec increments
* Sealing Temperature in 1.0°C increments

Accessories:



96-well PCR plate adapter

Standard plate adapter

Weighted sealing flake

Technical Parameters:

Model	PS-2
Adjustable Sealing Temperature	80～200℃
Temperature Accurate	1.0℃
Seal Time	0.5s～10s, increased by 0.1 sec.
Seals Plate Heights	9 to 48mm
Compatible Plate Materials	PP(Polypropylene),PS(Polystyrene),PE(Polyethylene)
Compatible Plate Types	SBS standard plates, Deep-well plates, PCR plates(Skirted, semi-skirted and no-skirted formats)
Consumption	300W
Power Supply	AC110/220V±10%,50/60Hz
External Size (L*D*H)	370*178*330mm
Package Size(L*D*H)	530*320*540mm
Net/Gross Weight	9.6/12kg

Denaturation & Hybridization System

HS-500

① Touch screen, easy to read and use.
② 12 slides with superior temperature uniformity.
③ Heating lid and lid seals tightly will maintain uniform temperature and humidity.

Features:

* Touch screen easy to read, program and use
* It can run In-situ PCR experiments
* Possibility to export cycle data via USB memory
* Four operation modes: denaturation/hybridization, hybridization fixed temperature, custom, In-situ PCR
* Can be used as a fixed temperature slide warmer
* Rapid temperature warm-up and accuracy of ±1℃
* Superior temperature uniformity across all slide positions
* Perfect humidity control system

Technical Parameters:

Model	HS-500
Temperature Control Range	RT+5℃~99.9℃
Capacity	12 Slides
Temperature Accuracy	±1℃
Temperature Uniformity	±1℃
Timing Range	1min~99h59min or 1sec~99min59sec
Heating Time (37℃to 95℃)	≤3min
Cooling Time (95℃to 45℃)	≤7min
Temperature Range	30℃~100℃
Power Supply	AC110/220V±10%, 50/60Hz
External Size(L*W*H)mm	225*420*143
Package Size(L*W*H)mm	550*360*290
Net Weight	5.8kg
Gross Weight	9.8kg

Thermo Shaker Incubator

TSI-100

MS-4

Technical Parameters:

Model	TSI-100
Temperature Control Range	0℃~100℃(if Ambient Temp ≤20℃) 4℃~100℃(if Ambient Temp ≤25℃) 10℃~100℃(if Ambient Temp ≤30℃)
Timing Range	1 min~99h59min
Mixing Speed	200rpm~1500rpm
Mixing Orbit	2mm
Temperature Control Accuracy	± 0.5 ℃
Display Accuracy	0.1 ℃
Heating Time	≤15min
Cooling Time	≤30min(RT~RT-20 ℃) ≤5min(100 ℃~20 ℃)
Cooling & Heating Parts	Peltier
Power Supply	AC110/220V±10%, 50/60Hz
External Size(L*W*H)	300*220*175mm
Package Size(L*W*H)	470*370*330mm
Net Weight	8.7kg
Gross Weight	11.5kg

Technical Parameters:

Model	MS-4
Speed	200~1500 rpm/min(Standard)200~1000 rpm/min (Deep well plate or tube holder)
Orbit	3mm
Timer	1min-99h59min
Consumption	40W
Power Supply	AC110/220V±10%, 50/60Hz
External Size (L*D*H)	290*270*120mm
Package Size(L*D*H)	470*370*330mm
Net Weight	7kg
Gross Weight	9kg

Dry Bath Incubator

Features:

* Exceptional temperature uniformity and accuracy -- due to advanced temperature control combined with high quality, precision engineered block providing excellent thermal contact.
* Wide range of interchangeable aluminium blocks.
* Heat to 105℃, optional external temperature probe.
* Blocks optional available as accessories for all applications - tubes, vials and microplates.
* Block extraction tool is supplied, allowing blocks to be removed easily.

1. Specification for DBI-I Dry Bath Incubator:

* Temperature Control Range: RT+5℃ ~ 105℃
* Stability at 100℃: ≤0.5℃
* Uniformity: within the block at 37℃: ±0.2℃
* Heating time (25℃ to 100℃): ≤20min
* Display Accuracy / Display: 0.1℃ / LED
* Timing Range: 1min ~ 99h59min
* Block Quantity: 1
* External Size: 250 *190 *130mm
* Package Size: 390*310*250mm

* Net weight: 2.5kg, Gross weight: 4.1kg

DBI-I

2. Specification for DBI-II Dry Bath Incubator:

* Temperature Control Range: RT+5℃ ~ 105℃
* Stability at 100℃: ≤0.5℃
* Uniformity: within the block at 37℃: ±0.2℃
  Across similar blocks at 37℃: ±0.3℃
* Heating time (25℃ to 100℃): ≤20min
* Display Accuracy / Display: 0.1℃ / LED
* Timing Range: 1min ~ 99h59min
* Block Quantity: 2
* External Size: 365 *210 *150mm
* Package Size: 490*330*280mm
* Net weight: 4.5kg, Gross weight: 6.2kg

DBI-II

3. Specification for Dry Bath Incubator DBI-III:

* Temperature Control Range: RT+5℃ ~ 100℃
* Time required for temperature to increase from 20℃ to 100℃: ≤15 min
* Temperature control discrepancy: ≤±0.5℃
* Display discrepancy: ±0.1℃
* Homogeneity of block temperature: ≤± 0.5℃
* Maximum heating power: 100W
* Maximum temp: 100℃
* Time Range: 1min~99h59 min
* External Size: 225 *160 *197mm
* Package Size: 330*280*340mm
* Net weight: 3kg, Gross weight: 6kg

DBI-III

4. Specification for Dry Bath Incubator DBI-IV:

* Temperature Control Range: -10℃~100℃
* Timing Range: 1min~99h59min
* Temperature Control Accuracy: ≤ ±0.5℃
* Display Accuracy: 0.1℃
* Heating Time: ≤ 15min (from 20℃ to 100℃)
* Cooling Time:
  ≤ 15min (from 20℃ to -5℃) If the room temperature is lower 30℃
  ≤ 15min (from 20℃ to -10℃) If the room temperature is lower25℃
* External Size: 300*220*180 mm
* Package Size: 480*380*330mm
* Net weight: 5kg, Gross weight: 8kg

DBI-IV

5. Specification for DBI-V Dry Bath Incubator:

* Temperature Control Range: from 5°C above ambient to 80℃
* Timing Range: 1min~999min or 1sec~999sec
* Temperature Control Accuracy: ≤± 0.5℃
* Display Accuracy: 0.1℃
* Heating Time: ≤ 12 min (from 25℃ to 80℃)
* Heating Parts: Heating Film
* External Size: 150*110*100mm
* Package Size: 260*200*170mm
* Net weight: 0.5kg, Gross weight: 2kg

DBI-V

6. Specification for DBI-VI Dry Bath Incubator:

* Temperature Control Range: from 5℃ above ambient to 150℃
* Time required for temperature to increase from 40℃ to 150℃ : ≤30min
* Temperature Control Discrepancy: ≤±0.5℃
* Display Discrepancy: ±0.1℃
* Homogeneity of Block Temperature: ≤± 0.5℃
* Maximum Heated power: 200W
* Dimension: 280*240*110mm
* Time Range: 1~99h59min
* External Size: 280*240*110mm
* Package Size: 470*370*330mm
* Net weight: 4.5kg, Gross weight: 7kg

DBI-VI

Gel Card Incubator

Application:

Gel card incubator is matched with our gel cards centrifuge to use and holds 2 independent incubation zones with a capacity for 12 gel cards. It can be suitable for many types of gel cards from different manufacturers.

Features:

* Keep 24-Gel Cards in temperature of 37 degree.
* LED display, time can be set.
* Audible programmable alarm to notify end of incubation period.
* Microprocessor PID temperature control, accurate and stable.

Technical Parameters:

Model	BK-GCI24
Capacity	24 cards
Temperature	37℃
Temperature Accuracy	＜0.5℃
Temperature Uniformity	±0.5℃
Time Range	0~99min59s
Consumption	250W
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm	280*390*140
Package Size(W*D*H)mm	445*335*190
Net/Gross Weight(kg)	6.2 / 8

Gel Card Centrifuge

Application:

Gel card centrifuge is used in blood serology, blood type routine test, erythrocyte washing, microcolumn agglutination, immunology and other tests.

Features:

* DC Brushless motor, low noise.
* Microprocessor control system & soft touch control panel.
* LCD display: RCF, Speed, Time.
* Electric lid interlock, over speed and imbalance protection.
* 20 programs for standard and programmability are available.

Technical Parameters:

Model	BKC-GC12	BKC-GC24
Max. Speed	3000rpm	
Max. RCF	830xg	1080xg
Rotor	12 cards	24 cards
Speed Precision	±20rpm	
Time Range	0~99min	
Noise	≤55dB	
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm	483*320*265	528*370*280
Package Size(W*D*H)mm	560*380*330	610*435*340
Gross Weight(kg)	24	30

Sample Concentration(Nitrogen Evaporator)

SC-I

SC-II

Features:

* High precision and wide range of temperature control
* Blowing a large number of samples at one time
* Blowing each sample independently (Only for SC-II)
* Amount of airflow can be adjusted
* Easy operation; safe and reliable to use

Technical Parameters:

Model	SC-I	SC-II
Temp. Range	RT+5~150℃	
Low Nitrogen Consumption	330ml/min/sample	
Time Required from 40℃ to 150℃	≤30 minutes	
Needles Length	150mm	
Temp. Control Discrepancy	±0.1℃	
Consumption	200W	400W
Power Supply	AC110/220V±10%, 50/60Hz	
External Size (L*D*H)	280*240*500mm	
Package Size (L*D*H)	490*390*360mm	
N/G Weight	7/11kg	7/11kg

Leakage Tester

Application:

Seal tester is used in food industry, beverage, pharmaceuticals, personal care etc.
By air compressor, seal tester's negative pressure is generated to test the hermetic sealing quality and performance of packaging bags, bottles and cans etc.

Features:

* Microcomputer control, test parameters can be set, automatic testing process
* LCD screen display
* Sealed chamber is made of high quality plexiglass tubing with 15mm thickness
* Backflush automatically to unload pressure

Technical Parameters:

Model	BK-ST134
Vacuum Degree Range	-90~0kPa
Vacuum Precision	0.1KPa
Resolution	0.1KPa
Indication of Changes	≤1%
Vacuum Chamber Size	Φ270*210mm(standard). Note: customization is available for other sizes
Original Air Pressure	0.7MPa (Owned)
Original Air Connection	Φ6Polyurethane pipes
Control Method	Microcomputer control, automatic test procedure
Display	LCD display
Environmental Conditions	RT(20±10)℃, Relative humidity<85%
Power Supply	AC110/220V±10%, 50/60Hz
Optional Accessories	Vacuum Chamber: Φ360*H585mm Vacuum Chamber: Φ460*H330mm JW-032B Air Compressor
Dimensions	Sealed vacuum chamber: Φ300*350 mm Operation host (W*D*H): 320*420*120mm
Package Size(W*D*H)	400*620*600mm
Net Weight/Gross Weight	16kg/21kg

Soil Nutrient Tester

Application:

It is used to detect available nitrogen, available phosphorus, available potassium, organic matter, soil pH and soil salinity in soil, plant, chemical fertilizer.

Features:

* LCD display.
* Print testing date, sample number, sample items, sample contents, variety.
* Large capacity storage (time, place, fertilizers), datum can be checked at any time.
* Quickly test the N, P, K, organic matter, salinity, and pH in the soil, fertilizer and plants.
* With the function of time display, can automatically record and save the time of tested sample.
* Can set crop variety, crop yield, fertilizer variety, and automatically count the fertilizing amount.

Technical Parameters:

Model		BK-Y6A	BK-Y6PC	BK-Y7PC
Soil Nutrient	Stability	Absorbency of light drift < 0.003		
	Repeatability	Absorbency of light < 0.005		
	Linearity Errors	Red light for Copper sulfate, and blue light for potassium dichromate < 3.0%		
	Sensitivity	Red light ≥$4.5*10^{-5}$, Blue light ≥$3.17*10^{-3}$		
	Wavelength Range	Red light 620±5nm; Blue light 440±5nm		
	Anti-Knocking Performance	Qualified		
PH	Testing Range	1~14		
	Error	±0.5%		
Salinity	Testing Range	0.01%~1.00%		
	Error	±5%		
Function		Test N, P, K, organic matter, soil pH, soil salinity, with storage function, built-in the amount of nutrients needed for growth of 73 kinds of crops, can provide guidance for fertilizing amount according to needs, with printing function	On the basis of BK-Y6A, with a software, be able to connect to computer for data storage, tele-transmission and printing	Moisture: Moisture unit: %(m /m Accuracy: ±2% Resolution: 0.1% Testing range: 0~100% On the basis of BK-Y6PC, but can measure soil moisture
Power Supply		220V/110V±10%, 50/60Hz		
Package Size(W*D*H)		670*385*215mm		
Gross Weight		9kg		

Portable Leaf Area Meter

Application:

Portable leaf area meter is mainly used for determination plant leaf, is a portable instrument can work in the field. The leaf area and related parameters of the leaves can be measured accurately, quickly and without damage, the area of the plant leaves and other flakes can also be measured. Widely used in agriculture, meteorology, forestry and other departments.

LCD Display

Technical Parameters:

Model	LAM-A/B
Unit	Millimeter, Square Centimeter
Precision	±2%
Resolution	0.01cm2
Measuring Length	≤1000mm
Measuring Width	≤160mm
Thickness	≤8mm
Data Capacity	≥1000Groups
Packing Size(W*D*H)	390*230*220mm
Gross Weight	1.8kg

Features:

* Easy to operate. With Micro-computer technology, LCD display.
* Test many kinds of data, such as leaf area, average area, length of leaf, width of leaf, perimeter and ratio of length and width.
* RS-232 link with computer by software, you can put the data into computer, and convert data to excel format and print. (only for LAM-B)

Portable Chlorophyll Meter

Application:

Chlorophyll Meter is able to measure chlorophyll content of plants and leaf temperature. Chlorophyll content and leaf nitrogen content have a very close relationship. Thus, chlorophyll content can reflect plants demand for nitro. Using the instrument can put nitrogen fertilizer reasonably, improve utilization of nitrogen and protect environment.

Features:

* Enter the name of the plant, the standard nitrogen content and utilization, the standard fertilizer can be directly calculated.
* Chlorophyll, leaf temperature are displayed on same screen at the same time, and can be stored at the same time.
* USB interface can be connected to the computer to export the measured data, to facilitate the management and analysis of plant nutrients. (Only for CM-B)

Technical Parameters:

Model	CM-A/B
Measuring Area	2mm*2mm
Measuring Mode	2-wavelength concentration difference of optical methods
Sensors	Silicon semiconductor photodiode
Display Mode	Measuring value: 3 digits liquid crystal display; Measuring times: 2 digits liquid crystal display
Min Measuring Interval	< 3s
Measuring Range	0.0-99.9 SPAD; -10~99.9°C
Accuracy	±1.0 SPAD; ±0.5°C
Repeat	±0.3SPAD; ±0.2°C
Power Supply	4.2V -2000Mah rechargeable Li battery
Memory Capacity	30Kb, automatically calculate and show the average.
Package Size(W*D*H)	270*210*140mm
Gross Weight	1.0kg

Potential Titrator

Features for BK-PT4B:

* Large LCD screen
* Integrated design of valve and burette
* Built-in stirrer
* Titration transmission device adopts linear motor design
* With anti leakage device

Features for BK-PT2:

* Preset potential to control titration endpoint
* Pre-control potential is adjustable
* Solenoid valve for controlling dropping liquid
* Equipped with delay circuit of titration endpoint
* Equipped with stirrer

BK-PT4B

BK-PT2

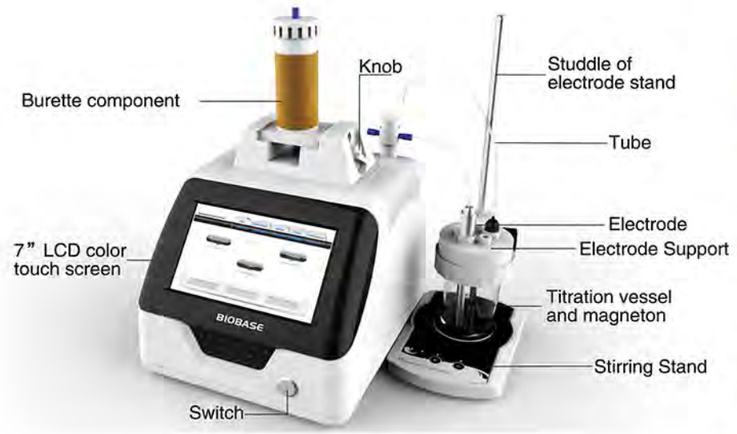
Technical Parameters:

Model	BK-PT4B	BK-PT2
Measuring Range	pH: 0.00~14.00pH mV: -1800.0~1800.0mV Temp.: -5.0~105.0℃	pH: 0.00~14.00 Ph mV: ±1400mV
Measuring Resolution	pH: 0.01pH mV: 0.1mV Temp.: 0.1℃	pH: 0.01pH mV: 1mV
Measuring Accuracy	pH: ±0.01pH±1bit mV: ±0.03% (full scale) Temp.: ±0.3℃	pH: ±0.03pH±1 bit mV: ±5mV
Burette Volume Accuracy	10ml burette: ±0.025ml 20ml burette: ±0.035ml	/
Burette Supplementary Speed	55±10s (when burette is full scale)	/
Repeatability Titration Analysis	0.2%	/
Repeatability Accuracy	≤0.2mV	/
Stability	±0.3 mV±1bit/3h	±0.01pH/3h
Sensitive of Control Titration	±2mV	±5mV
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	390*380*300mm	300*235*100mm
Package Size(W*D*H)	540*490*480mm	490*410*300mm
Gross Weight	8kg	5kg

Potential Titrator

Introduction:

BK-PT860 Automatic Titrator is a lab titration device with high analysis accuracy under the principle of potentiometric titration. It adopts modular design, consists of three parts: volume titration device, control device and measuring device. The titration methods include macro titration, micro titration, volume setting titration, EP, etc.



Details Display:

Ultrathin stirring device

High accuracy burette

Solenoid valve

Features:

* It adopts coil realize to magnetic stir.
* Accurate closed-loop control for volume.
* High-accuracy burette up to 0.005mm.
* Simple design, discrete stirring unit, easy for disassembly.
* LCD touch screen.

Technical Parameters:

Model	BK-PT860
Temperature Measuring Range	0~100℃
pH Measuring Range	0~14.00pH
mV Measuring Range	±1999mV
Resolution	0.01pH; 0.1mV; 0.1℃
Repeatability Accuracy	0.2%
Repeatability	≤0.2mV
Burett Volume Accuracy	Burette 15ml ±0.025ml
	Burette 25ml ±0.035ml
Power Supply	AC110V/220V±10%, 50/60Hz
External Size(W*D*H)	530*455*280mm
Package Size(W*D*H)	610*435*370mm
Gross Weight	10kg

Ultrasonic Cell Disruptor

Ultrasonic Cell Disruptor

Application:

Widely used in the field such as biology, chemistry, microbiology, pharmacology, physics, zoology, agronomy, medical science, pharmacy for teaching, scientific research and production.

Features:

* LCD display.
* Storage capacity: 50 groups of program data.
* Temp. monitor: over-temperature protection
* Other functions: automatic tracking the frequency, fault alarm

Technical Parameters:

Model	UCD -150	UCD -250	UCD -500	UCD -650	UCD -950	UCD -1200	UCD -1500	UCD -1800	UCD -2000
Frequency(KHz)	20~25	20~25	20~25	20~25	20~25	19.5~20.5	19.5~20.5	19.5~20.5	19.5~20.5
Crushing Capacity(ml)	0.2~150	0.2~250	0.2~400	0.2~500	0.2~700	10~1000	50~1500	50~1800	50~2000
Standard Amplitude-change Pole Ø (mm)	6					20	22	22	25
Optional Amplitude-change Pole Ø(mm)	2, 3, 6, 8	2, 3, 6, 8, 10	2, 3, 6, 8, 10, 12	2, 3, 6, 8, 10, 12	2,3,6,8,10, 12,15	10,15,20, 22,25	10,15,20, 22,25	10,15,20, 22, 25	10,15,20, 25
Consumption (W)	0~150	0~250	0~500	0~650	0~950	0~1200	0~1500	0~1800	0~2000
Power Supply	AC110/220V±10%, 50/60Hz								
Package Size (W*D*H) mm	350*350*550mm(acousticchamber) 465*300*440mm(main body)								
Gross Weight(kg)	30								

Technical Parameter for Amplitude Pole:

Size	Ø2	Ø3	Ø6	Ø8	Ø10	Ø12	Ø15	Ø20	Ø22	Ø25	Ø28
Frequency(KHz)	20~25	20~25	20~25	20~25	20~25	20~25	20~25/19.5~20.5	19.5~20.5	19.5~20.5	19.5~20.5	19.5~20.5
Consumption(W)	0~250	0~400	20~600	50~600	100~800	200~950	300~1000	400~1200	400~1200	800~1800	1000~2200
Crushing capacity(ml)	0.2~5	3~10	10~100	20~200	30-300	50~500	100~600	100~1000	200~1000	500~1200	500~2000

Continuous Flow Ultrasonic Cell Disruptor

Application:

It is suitable for the extraction of Chinese herbal medicine, cells, bacteria and emulsifying chemical nanometer material, suitable for small batch production or to provide accurate technical parameters for the future industrial production.

Features:

* LCD Display
* Automatic tracking the frequency
* Storage capacity: 20 groups of program data.
* It can test and control temperature of the sample
* Function of automatic feeding and computer control can be optional equipped

Technical Parameters:

Model	UCD-4000W-II
Frequency(KHz)	20
Standard Amplitude-change Pole Ø (mm)	40
Optional Amplitude-change Pole Ø (mm)	20,25,30,38,50,60
Crushing Capacity/Once	500ml-5L
Crushing Capacity/Continuously	100L/Day
Max.Consumption(W)	4000,Adjustable
Time set	Optional:Continuous/Pulse
Max. Working Time	99h59min59sec
Safety System	Automatic diagnosis; Overload,Over-temperature protection;
Standard Accessories	5L-316 stainless steel reactor,Low temperature water bath,Discharge vavle
Power Supply	AC220V/110V±10%,50/60Hz
Package Size(W*D*H)	640*350*460mm 400*400*1000mm 450*450*850mm 400*250*260mm
Gross Weight	80kg

Portable Ultrasonic Cell Disruptor

Features:

* LCD Display
* Temperature alarm setting range: 0~100℃
* Ultrasonic time setting for on and off: 0.1-9.9s
* Audible alarm for: Over temperature, over power, over time
* Other optional accessory: Foot switch, sound proof box, Amplitude Pole (Ø 2, 3 or 6mm)

Technical Parameters:

Model	UCD-PO1
Frequency(KHz)	20-25, frequency automatic tracking
Crushing Capacity(ml)	3-10(If choose Ø 3) 5-100(If choose Ø 5)
Standard Amplitude Pole Ø(mm)	3 or 5
Generator Output Consumption(W)	250
Ultrasonic Consumption(W)	250(can be adjusted according to customer's demand)
Power Supply	AC220V/110V±10%, 50/60Hz
Package Size(W*D*H) mm	465*300*440mm
Gross Weight(kg)	16

Disintegrator

Plant Disintegrator

Features:

* Grind by the action of rotating disk and fixed disk; the ideal equipment for grinding oiliness and fiber products.
* Featured by lightweight, small volume, compact structure, cotinuous working time, attractive appearance and high efficiency. Space between blades is adjustable according to material fineness.

Technical Parameters:

Model	MPD-102
Mesh Size (mm)	0.5/1/1.5
Working Time	Continuous
Grinding (Mesh)	60~120
Speed (rpm)	1400rpm
Consumption	250W
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H) mm	300*185*280
Package Size(W*D*H) mm	350*240*290
Net Weight(kg)	15±0.5
Gross Weight(kg)	19.5

High-speed Universal Disintegrator

HSD-80

HSD-100/200

HSD-400A

Technical Parameters:

Model	HSD-80	HSD-100	HSD-200	HSD-400A
Speed (rpm)	10000	26000	26000	26000
Size of Grinding room (mm)	Ø80*40	Ø100*40	Ø125*56	Ø150*80
Grinding (mesh)	40~200			
Input Quantity (≤G/time)	50	100	200	400
Consumption	200W	800W	800W	1000W
Power Supply	AC220V, 50Hz			
External Size(W*D*H) mm	Ø110*210H	Ø160*320H	Ø160*360H	230W*190D*420H
Net Weight(kg)	2.5	4	5	13
Gross Weight(kg)	3	5	6	14

Middle-Size Disintegrator

Features:

* Excellent air-tightness, stable performance, continuous working time, time and cost saving.
* Casting steel grinding system, which is durable and efficient.
* Convenient to clean, easy to operate, and reliable.

Technical Parameters:

Model	MD220
Speed (rpm)	5000
Diameter of Screen Mesh (mm)	Ø0.5, Ø1.0, Ø1.5
Grinding (mesh)	40~120
Output (Kg/H)	8~20
Consumption	3000W
Power Supply	380V, 50Hz
External Size(W*D*H) mm	700*380*700
Net Weight(kg)	99
Gross Weight(kg)	120

Ball Mill

Optional:

Selection of pot's material: Pot's material has no pollution to the grinding materials and no effect to the appearance of powder.

Technical Parameters:

Category & Request of Grinding Material	Reference for Mill Pots' Material Option
Soil and other Materials which impurities are not allowed to be brought.	Agate Pot
Metal and non-metal materials which impurities are not allowed to be brought.	Zirconia Pot
High hardness materials like diamond, hard alloy.	Hard Alloy Pot
Strong acid and strong alkali substances, and materials under high temperature.	PTFE Mill Pot
Iron and steel minerals, impurities are not highly sensitive materials.	304 Stainless Steel Mill Pot
Pigment material, and materials which can be processed at high temperature.	Nylon Mill Pot
Containing aluminum material like ceramic glaze.	Corundum Pot
Electronic material like lithium battery.	Polyurethane Mill Pot
Easily oxidized materials which need to be protected by special gas.	Vacuum Mill Pot

Nylon Mill Pot

PTFE Mill Pot

Zirconia Pot

Hard Alloy Pot

Polyurethane Mill Pot

Stainless Steel Mill Pot

Matching Ways for Mill Pots and Balls:

	Agate Grinding Ball	Zirconia Grinding Balls	Tungsten Carbide Balls	Stainless Steel Balls	Alumina Balls	Polyurethan core ball	Steel Ball
Agate Mill Pot	▲						
Zirconia Mill Pot		▲					
Hard Alloy Mill Pot			▲				
PTFE Mill Pot	▲						
Stainless Steel Mill Pot				▲			
Nylon Mill Pot		▲					
Corundum Mill Pot					▲		
Polyurethane Mill Pot						▲	

Remarks: ▲ Best Match

Best Match Ratio: Large-sized Ball: 20%; Medium-sized Ball: 50%; Small-sized Ball: 30%.

Stainless steel mill pot can be matched with stainless steel ball

Zirconia mill pot can be matched with zirconia balls

Corundum mill pot can be matched with alumina balls

Hard Alloy mill pot can be Matched with zirconia balls

Nylon nill pot can be matched with zirconia balls

PTFE mill pot can be matched with agate balls

Polyurethane mill pot can be matched with Agate balls

Tempered nylon mill pot can be matched with agate balls

Agate mill pot can be matched with agate balls

Vertical Planetary Ball Mill(Semi-circle Type)

Application:

Planetary Ball Mill has four ball grinding tanks installed on one turntable. When the turntable rotates, the tank axis makes planetary movements, the balls and samples inside the tanks are impacted strongly in high speed movement, and samples are eventually ground into powder. Various kinds of different materials can be ground by the mill with dry or wet method. Minimum granularity of ground powder can be as small as 0.1μm.

Features:

* 3D curve shape design.
* Special gear with low noise.

Visual Window

Planetary Mechanism

Frequency Converter Control

Hole of Cooling Fan

Technical Parameters:

Model	BKBM-V0.4	BKBM-V2
Capacity	0.4L	2L
Volume of Each Capacity	50~100ml	50~500ml
Pot Quantity	4 pcs	
Running Time Range	1~9999min	
Reciprocal Running Time	1~999min	
Adjustable Speed Revolution	45~435rpm	35~335rpm
Rotation	90~870rpm	70~670rpm
Noise	≤58dB	≤60dB
Speed Control Mode	Frequency Control	
Transmission Mode	Gear Drive	
Working Mode	2 or 4 pots can be used each time	
Max Volume of Each Pot	2/3	
Feed Size	Soft and Crispy material<10mm, Other materials<3mm	
Out-put Granularity	Minimum Granularity can be reached to 0.1um	
Adjusting Mode of Rotate Speed	Frequency converter with stepless speed regulation	
Consumption	0.25KW	0.75KW
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm	530*300*340	730*430*550
Package Size(W*D*H)mm	595*360*485	820*530*720
Net Weight(kg)	26	74
Gross Weight(kg)	30	80

Vertical Planetary Ball Mill(Square Type)

Features:

* 3D curve shape design.
* Special gear with low noise.

Planetary Mechanism

Frequency Converter Control

Hole of Cooling Fan

Pneumatic Rod

Technical Parameters:

Model	BKBM-V2S
Capacity	2L
Volume of Each Capacity	50~500ml
Pot Quantity	4pcs
Running Time Range	1~9999min
Reciprocal Running Time	1~999min
Adjustable Speed Revolution	35~335rpm
Rotation	70~670rpm
Noise	≤60dB
Speed Control Mode	Frequency Control
Transmission Mode	Gear Drive
Working Mode	2 or 4 pots can be used each time
Max Volume of Each Pot	2/3
Feed Size	Soft and Crispy material<10mm, Other materials<3mm
Out-put Granularity	Minimum Granularity can be reached to 0.1um
Adjusting Mode of Rotate Speed	Frequency converter with stepless speed regulation
Consumption	0.75KW
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm	770*470*570
Package Size(W*D*H)mm	820*540*680
Net Weight(kg)	93
Gross Weight(kg)	98

Light Horizontal Planetary Ball Mill

Features:

* Horizontal structure of grinding pots.
* Special gear with low noise.

Planetary Mechanism

Frequency Converter Control

Hole of Cooling Fan

Pneumatic Rod

Technical Parameters:

Model	BKBM-H2L
Capacity	2L
Volume of Each Capacity	50~500ml
Pot Quantity	4 pcs
Running Time Range	1~9999min
Reciprocal Running Time	1~999min
Adjustable Speed Revolution	35~335rpm
Rotation	70~670rpm
Noise	≤60dB
Transmission Mode	Gear Drive
Working Mode	2 or 4 pots can be used each time
Max Volume of Each Pot	2/3
Feed Size	Soft and Crispy material<10mm, Other materials<3mm
Out-put Granularity	Minimum Granularity can be reached to 0.1pm
Adjusting Mode of Rotate Speed	Frequency converter with stepless speed regulation
Speed Control Mode	Frequency Control
Consumption	0.75KW
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm	700*570*520
Package Size(W*D*H)mm	800*610*670
Net Weight(kg)	105
Gross Weight(kg)	123

Water Activity Meter

Application:

Water activity meter, indicates the free water content when food is stable, measures the possibility of microbial proliferation. Food formulators use water activity to predict how much moisture migration will affect their product, so that to choose suitable package and storage method to reduce the usage of antiseptics.

BWA-3A

BWA-6

Features:

* The measured object is unlimited, liquid solids and powder etc
* Printer output as standard accessory
* Chemical resistant. (only for BWA-6)

Technical Parameters:

Model		BWA-3A	BWA-6
Working Temp.		0~50℃	-10℃~50℃
Working Humidity		0~95%RH	
Display		LCD display	
Measuring Range	Temperature	0~50℃	-10℃~50℃
	Water Activity	0~0.980	0~1.000
Measurement Accuracy	Temperature	±0.5℃	±0.5℃
	Water Activity	±0.015 (@25℃)	±0.012 (@23℃±5℃)
Measurement Time		5~40min	
Measurement Points		1	1~4
Temperature Coefficient		≤0.0005/℃	
Activity Repeatability		≤0.015	≤0.008
Print Function		a. Print at the end of the measurement b. Real-time print	
Correction Mode		Single-point calibration	Multi-point joint calibration, single-point calibration
Interface		\	RS232, USB
Standard Accessories		Micro printer, one sensor	Data cable, micro printer, one sensor
Consumption		15W	10W
Power Supply		AC110/220V±10%, 50/60Hz	
Package Size(W*D*H)mm		550*430*240	740*430*240
Gross Weight(kg)		11.5	15.5

Food Testing and Analysis Intruments

Cooking Oil Tester

Features:

* Waterproof design, class IP65
* Current result data holding is available
* Backlight and button sound setting are available
* COT-27A has standard calibration function by users
* Special design for probe in order to reduce residual oil and easy for clean
* Fast measurement, getting result within 15 seconds with sound-light alarm
* Warning Alarm of TPM range (TPM < 20%, LED green alarm; 20%< TPM<24%, LED Orange alarm; TPM>24%, LED red alarm)

Technical Parameters:

Model	COT-27A		
Tempe. Measure Range	0~200.0℃	Operating Temperature	0~+50 ℃
Temp. Resolution	± 0.1℃	Display	LED display
Temperature Accuracy	± 1.0℃	Frame Material	ABS engineering plastics
TPM Measure Range	0.5~40%	Probe Material	Food-grade stainless steel
TPM Accuracy	± 2% (40.0~190.0 ℃)	Protection Grade	IP 65
TPM Resolution	± 0.1%	Power Supply	2 units AAA batteries(7)
Temperature Sensor	PTC Sensor	TPM Sensor	Capacitive sensor
Battery Life Below 20℃	About 25 hours of continuous use time (the corresponding measuring 500 times)		
Packing Size(L*D*H)	415*165*80mm		
Gross Weight	1.1kg		

Grain Moisture Meter

Application:

It is used for fast and accurate measurement of moisture in the process of allotment, acquisition, storage, machining of packed grains.

Technical Parameters:

Model	BKGM-6G/6G11	BKGM-25G	BKGM-6S	BKGM-36G
Measuring Range	6~30%(professional)	6~30%(professional)	0~35%(general)	5~40%(professional)
Temp. Range of Measured Grain	-10~60℃			
Humidity Range	5~90%			
Resolution	0.1			
Accuracy	±0.5%			
Grains	6 types(For type 6G)	25 types	4 types	25 types
Grain Flour	11 groups (For type 6G11)	/	Flour and starch only	11 groups(standard)
Power Supply	4*Common AAA battery			
Package Size(W*D*H)	504*110*54mm			
Gross Weight	0.5kg	0.5kg	0.4kg	0.6kg

Model	Grain & Powder List
BKGM-6G	Wheat, Corn, soybean, rice paddy, rice, barley
BKGM-6G11	Wheat flour, rice powder, corn flour, semolina, soybean meal, barley powder, coffee powder, sorghum flour, flaxseed meal, pea meal, soft wheat flour
BKGM-25G	Wheat, corn, soybean, rice paddy, rice, barley, sorghum, buckwheat, peas, rapeseed, mustard seed, sunflower seed, beet seeds, coffee, coffee(green), cocoa beans, flaxseed, lentils, fruit with hard shell, rye grass seed, duck feather grass seed, clover(white seed), clover(black seed), canola, bean,
BKGM-6S	Wheat, rice, corn, soybeans, wheat flour
BKGM-36G	Wheat, corn, soybean, rice paddy, rice, barley, sorghum, buckwheat, peas, rapeseed, mustard seed, sunflower seed, beet seeds, coffee, coffee(green), cocoa beans, flaxseed, lentils, fruit with hard shell, rye grass seed, duck feather grass seed, clover(white seed), clover(black seed), canola, bean, wheat flour, rice powder, corn flour, semolina, soybean meal, barley powder, coffee powder, sorghum flour, flaxseed meal, pea meal, soft wheat flou

Digital Viscometer
BDV-S and BDV-N Series

BDV-1S

BDV-9S

BDV-5S/8S

BDV-N Series

Features:

BDV-S series digital viscometer:

* Central control circuit: 16 bit MCU.
* Gearless driving, LCD display.
* Optional accessories: Printer(BDV-5S and BDV-8S) and RTD temperature probe(not including BDV-1S).

BDV-N series digital viscometer:

* Measurement is more larger than BDV-S series.
* Rotating speed is improved to non-polar shift.
* RTD temperature probe can timely monitor the temperature of the sample.
* Optional software: Data Collecting,Analysis and Plot Software.

Technical Parameters:

Model	BDV-1S	BDV-9S	BDV-5S	BDV-8S	BDV-1N	BDV-2N	BDV-3N	BDV-4N
Measured Range (mPa·s)	100~ 100,000	100~ 6,000,000	20~ 100,000	20~ 2,000,000	20~ 600,000	12~ 6,000,000	160~ 80,000,000	50~ 10,000,000
Rotation Speed(rpm)	6, 12, 30, 60	0.1, 0.3, 0.6, 1.5, 3, 6, 12, 30, 60	6, 12, 30, 60	0.3, 0.6, 1.5, 3, 6, 12, 30, 60	1~60	0.1~99.9	0.1~99.9	0.1~200
Number of Spindle	4 types(L1~L4)				4 types(L1~L4)			4 types (21.27.28.29)
Measurement Accuracy	±5%(FS) (Newtonian Fluid)	±3%(FS) (Newtonian Fluid)	±1%(FS)(Newtonian Fluid)					
Repeatability	±0.5% (FS)(Newtonian Fluid)							
Power Supply	AC110/220V±10%, 50/60Hz							
Standard accessory	/	/	RS232 standard output interface		RTD temperature probe			
Optional accessory	/	RTD temperature probe	RTD temperature probe, Specially used printer		RS232 standard output interface,Specially used printer			
L0 Spindle is for Option Measured Range(mPa.s)	10~100	10~6000	1~100	1~2000	1~600	0.6~6000	6~6000	3~6000
Package Size (W*D*H)	470*400 *230mm	470*395 *245mm	400*350 *360mm	400*350 *360mm	400*350 *360mm	400*350 *360mm	400*350 *360mm	400*350 *550mm
Gross Weight	8.5kg	8.5kg	9kg	9kg	9kg	9kg	9kg	10.5kg

Digital Viscometer
BDV Series

Features:

* Central control circuit: 16 bit MCU.
* RTD temperature probe can timely monitor the temperature of the sample.
* LCD can display all information.
* Optional software: DV Program Control Download Software & Data Collecting,Analysis and Plot Software.

Technical Parameters:

Series	BDV-1			BDV-2		
Model	BDV-1A	BDV-1B	BDV-1C	BDV-2A	BDV-2B	BDV-2C
Measured Range (mPa·s)	12~6M	80~40M	640~320M	6~6M	40~40M	320~320M
Rotation Speed(rpm)	0.1~99.9 non-polar shift			0.1~200 non-polar shift		
Number of Spindle	4 (L1~L4)	6 (R2~R7)	6 (R2~R7)	4 (L1~L4)	6 (R2~R7)	6 (R2~R7)
Measurement Accuracy	±1%(FS)（Newtonian Fluid）					
Repeatability	±0.5%(FS)（Newtonian Fluid）					
Power Supply	AC110/220V±10%, 50/60Hz					
Standard accessory	RS232 standard output interface,RTD temperature probe					
Optional accessory	Specially used printer					
L0 Spindle is for Option Measured Range (mPa·s)	0.6~6000	6~60000	50~500000	0.3~6000	3~60000	25~500000
R1 Spindle is for Option Measured Range (mPa·s)	/	20~100000	160~800000	/	10~100000	80~800000
Package Size(mm)	400*350*360	400*350*550	400*350*550	400*350*360	400*350*550	400*350*550
Gross Weight(kg)	9	10.5	10.5	9	10.5	10.5

Digital Viscometer BKU-1

Features:

* LCD display
* BKU-1 viscometer is specially applied to sample like paint, coating, etc.
* Central control circuit: 16 bit MCU.
* It can recyclingly show the units of KU, gm, and cP.

Technical Parameters:

Model	BKU-1
Measure Range	40~141KU 32~1099gm 27~5274cP
Measurement Accuracy	±1% (FS)(Newtonian Fluid)
Repeatability	±0.5%(FS)(Newtonian Fluid)
Rotation Speed	200rpm
Power Supply	AC110/220V±10%, 50/60Hz
Package Size(mm)	400*350*360
Gross Weight(kg)	10

Note: cP is for reference, not for calibration.

Water Purifier

Water Purifier (RO/DI Water)

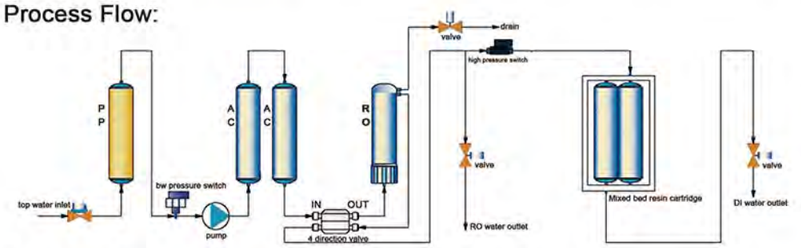
Features:

* 6 filters process
* Automatic RO membrane flush
* Filtration velocity: 10L/H

Consumables:

Model	Consumables	Quantity	Replacement Term/set
SCSJ-I	50 GPD RO filter	1	About 10-12 months
	10" PP Cotton filter	1	About 2-3 months
	10"Activated carbon filter	2	About 2-3 months
	Ion exchange column	2	About 6 months

Process Flow:



PF: Pretreatment Filter

AC: Activated Carbon

RO: Reverse Osmosis

DI: Ion Exchange

Technical Parameters:

Model	SCSJ-I
Water Output Type	RO and DI water
Water Output Speed	10L/H
Purifying Procedure	PF+AC+RO+DI
Water Supply Requirement	Tap water: TDS<200ppm. 5-45℃, 1.0～3.5Kgf/cm²
Purification System	Pre-treatment unit: 10" PP filter*1+10" Activated carbon*2 RO unit: 100GPD RO membrane*1 Subsequent unit: Deion purification column*2
Purification Water Quality	• Soluble organic matter: Rejection rate>99% (molecular weight>100) • Particle: Rejection rate>99% • Microbe: Rejection rate>99% • Salt: Rejection rate>99% • TDS (total dissolved solids): RO water: 5~10 ppm • Resistivity: 7.0~10.0 MΩ·cm • PM (particulate matter) (>0.22μm): <1/ml • Conductivity: 0.143~0.100 μs/cm • Microbe/Germ: <1 CFU/ml
Water Quality Monitor	TDS (Total Dissolved Solids) meter
Consumption	48W
Power Supply	AC110/220V±10%, 50/60Hz
Standard Configuration	Main body (include 1 set of cartridges), TDS meter
External Size(W*D*H)	394*390*502mm
Package Size(W*D*H)	560*540*640mm
Gross Weight	25kg

Water Purifier (Automatic RO/DI Water)

Technical Parameters:

Model		SCSJ-III 15	SCSJ-III 30
Display		LCD	
Water Output Type		RO and DI water	
Water Output Speed		15L/H	30L/H
Purifying Procedure		PF+AC+RO+DI	
Water Supply Requirement		Tap water: TDS<200ppm, 5~45°C, 1.0~4.0Kgf/cm² (If inlet TDS>200ppm, extra pretreatment filter is recommended)	
Purification System	Pretreatment unit	Special spun fiber filter*1, Special active carbon block filter*1, Special active carbon block filter*1	
	RO unit	100GPD RO membrane*1	200GPD RO membrane*1
	Subsequent unit	Mixed bed resin cartridge*2	Mixed bed resin cartridge*3
Pure Water Quality	Desalination rate	>99%	
	TDS	RO water: 5~10 ppm	
	Resistivity	15~18.2MΩ·cm	
	Conductivity	0.067~0.055μs/cm	
Control System		Automatic electronic pressure sensor controlling, RO membrane auto flushing, Automatic stop when water supply shortage, Automatic stop when water tank full, Automatic cutting off water when pump stop, 24 hours non-stop work	
Water Quality Monitor		TDS meter, Online resistivity monitor	
Consumption		48W	72W
Power Supply		AC110/220V±10%, 50/60Hz	
Standard Configuration		Main body(include 1 set cartridge), 15L water tank, TDS meter	
External Size(W*D*H)		220*410*420mm	
Package Size(W*D*H)		590*490*550mm	
Gross Weight		22kg	

Water Purifier Medium Type (Automatic RO/DI Water)

Features:

* Large LCD display, animation mode, show all the running state and parameters.
* Automatic microcomputer control system, multi-menu operating,
* Alarm function: Water quality, no water, full water, consumables life ending. Automatic diagnosis.
* 3-way on-line sensor, detect the quality of feed water, RO water and DI water's quality timely.

Technical Parameters:

Model		SCSJ-V 45	SCSJ-V 63	SCSJ-V 94	SCSJ-V 125
Water Output Type		RO and DI water			
Water Output Speed		45L/H	63L/H	94L/H	125L/H
Purifying Procedure		PF+AC+RO+AC+DI+TF			
Water Supply Requirement		Tap water: TDS<200ppm, 5~45°C, 1.0~4.0Kgf/cm² (if TDS>200ppm, extra pretreatment filter is recommended)			
Purifica--tion System	Pretreatment unit	20" spun fiber filter*1+20" granular active carbon filter*1+20" active carbon block filter*1			
	RO unit	300 GPD RO membrane*1	400 GPD RO membrane*1	600 GPD RO membrane*1	400 GPD RO membrane*2
	Subsequent unit	10" granular active carbon filter*1+12L mixed bed resin cartridge*1+0.2μm terminal filer*1			
DI Water Quality	Resistivity	>10MΩ.cm			
	Conductivity	<0.1μs/cm			
	Heavy metal	<0.1ppb			
	Bacteria	<0.1cfu/ml			
	Particle(>0.2μm)	<1/ml			
RO Water Quality		TDS(Total dissolved solid) of RO water(ppm)<TDS of inlet water*5%			
Consumption		120W		240W	
Power Supply		AC110/220V±10%, 50/60Hz			
Standard Configuration		Main body(include 1 set cartridge), 2 built-in 15 liters tank			
Optional		TDS meter			
External Size(W*D*H)		470*650*1100mm			
Package Size(W*D*H)		660*760*1280mm			
Gross Weight		89kg			

Water Purifier Medium Type (Automatic RO Water)

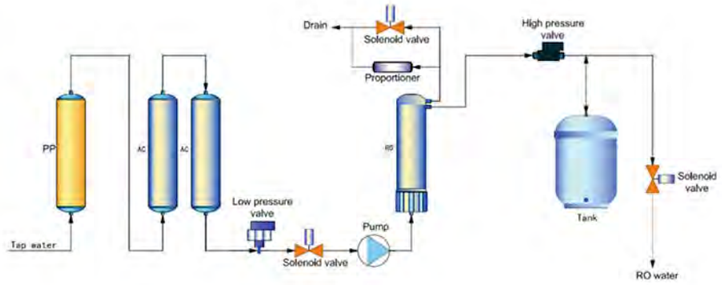
Features:

* Large LED display, show all the running state and parameters.
* RO membrane clean automatically. High/Low pressure protection.
* Alarm function: Water quality, no water, full water, consumables life ending. Automatic diagnosis.

Technical Parameters:

Model		SCSJ-IV 45	SCSJ-IV 63	SCSJ-IV 94	SCSJ-IV 125
Water Output Type		RO water			
Water Output Speed		45L/H	63L/H	94L/H	125L/H
Purifying Procedure		PF+AC+AC+RO			
Water Supply Requirement		Tap water: TDS<200 ppm, 5~45°C, 1.0~4.0Kgf/cm² (if TDS>200ppm, extra pretreatment filter is recommended)			
Pure Water Quality	Ion rejection rate	96%~99% (New RO membrane)			
	Organic rejection rate	>99%, when MW>200 Dalton			
	Particles and bacteria rejection rate	>99%			
	Bacteria	<0.1cfu/ml (with optional 0.2μm PES terminal filter)			
	Particles(>0.2μm)	<1/ml (with optional 0.2μm PES terminal filter)			
Water Quality Monitor		TDS meter, Online resistivity monitor(optional)			
Consumption		120W		240W	
Power Supply		AC110/220V±10%, 50/60Hz			
Standard Configuration		Main body (including 1 set of cartridges), 2 built-in15L water tank, TDS meter			
External Size(W*D*H)		540*640*1110mm			
Package Size(W*D*H)		660*760*1280mm			
Gross Weight		89kg			

Water Purifier (Automatic RO Water)



Technical Parameters:

Model		SCSJ-II 15	SCSJ-II 30
Water Output Type		RO water	
Water Output Speed		15L/H	30L/H
Purifying Procedure		PF+AC+RO+AC	
Water Supply Requirement		Tap water: TDS<200 ppm, 5~45°C, 1.0~4.0Kgf/cm² (if inlet TDS>200ppm, extra pretreatmentfilter is recommended)	
Pure Water Quality	Ion rejection rate	96%~99% (New RO membrane)	
	Organic rejection rate	>99%, when MW>200 Dalton	
	Particles and bacteria rejection rate	>99%	
	Bacteria	<0.1cfu/ml (with optional 0.45+0.1μm PES terminal filter)	
	Particles(>0.2μm)	<1/ml (with optional 0.45+0.1μm PES terminal filter)	
Flow Rate		2.0L/min (with pressure tank)	
Water Quality Monitor		TDS meter	
Comsumption		48W	
Power Supply		AC110/220V±10%, 50/60Hz	
Standard Configuration		Main body (include 1 set of cartridges), 15 liters tank, TDS meter	
External Size(W*D*H)		220*410*420mm	
Package Size(W*D*H)		590*490*550mm	
Gross Weight		22kg	

Water Purifier Medium Type (Automatic Ultra-pure Water)

Features:

* UV type with UV lamp, Double wavelength(185&254nm), sterilizer and reduce TOC, expand the usage range.
* UF type with UF filter, Eliminate the endotoxin efficiently.
* Other features same as Automatic RO/DI water purifier.

Technical Parameters:

Model		SCSJ-VI	SCSJ-VII	SCSJ-VIII	SCSJ-IX
		Basic	Eliminating endotoxin UF	Low TOC UV	Synthesizing UVF
Water Output Type		RO and ultra-pure water			
Water Output Speed		45/63/94/125 L/H			
Purifying Procedure		PF+AC+RO+AC +DI+TF	PF+AC+RO+AC +DI+UF+TF	PF+AC+RO+ AC+UV+DI+TF	PF+AC+RO+AC +UV+DI+UF+TF
Water Supply Requirement		Tap water: TDS<200 ppm, 5~45°C, 1.0~4.0Kgf/cm² (if TDS>200ppm, extra pretreatmentfilter is recommended)			
Ultrapure Water Quality	Resistivity(25°C)	18.2MΩ.cm			
	Heavy metal ion	<0.1ppb			
	TOC	<10ppb	<10ppb	<3ppb	<3ppb
	Bacteria	<0.1cfu/ml			
	Endotoxin	N/A	<0.001Eu/ml	N/A	<0.001Eu/ml
	Particle(>0.2μm)	<1/ml			
	RNases	N/A	<0.01ng/ml	N/A	<0.01ng/ml
	DNases	N/A	<4pg/μl	N/A	<4pg/μl
RO Water Quality	Ion rejection rate	96%~99% (New RO membrane)			
	Organic rejection rate	>99%, when MW>200 Dalton			
	Particles and bacteria rejection rate	>99%			
Consumption		(45/63L/H): 120W; (94/125L/H): 240W			
Power Supply		AC110/220V±10%, 50/60Hz			
Standard Configuration		Main body (include 1 set of cartridges), 2 built-in 15L tank			
Optional		TDS meter			
External Size(W*D*H)		540*640*1110mm			
Package Size(W*D*H)		650*740*1250mm			
Gross Weight		70kg			

Water Purifier Consumables

Model Type	PP filter	Active carbon filter	RO membrane	Deionized purify column	Granular active carbon filter	300 GPD 600 GPD RO membrane	400 GPD RO membrane	Organic Column	Active carbon block filter	12L Deionized purify column (imported resin)	0.2μm imported PES terminal filter	12L ultra purify column (imported resin)	Ultra purify column (imported resin)	MWCO 5000D UF ultrafiltration module (import)	Dual wavelength (185nm & 254nm) UV lamp (imported)
Replacement term/set(months)	2-6	4-6	12-24	about 1000 liters pure water/set	2-6	12-24	12-24	9000L	2-6	about 2000 liters pure water/set	/	about 20000 liters pure water/set	/	/	about 9000 hours
SCSJ-II (15L/H)	1	2	100	/	/	/	/	/	/	/	/	/	/	/	/
SCSJ-II (30L/H)	1	2	200	/	/	/	/	/	/	/	/	/	/	/	/
SCSJ-III(15L/H)	1	2	100	2	/	/	/	/	/	/	/	/	/	/	/
SCSJ-III(30L/H)	1	2	200	3	/	/	/	/	1	/	/	/	/	/	/
SCSJ-IV(45L/H)	1	/	/	/	1	300	/	/	1	/	/	/	/	/	/
SCSJ-IV(63L/H)	1	/	/	/	1	/	1	/	1	/	/	/	/	1	/
SCSJ-IV(94L/H)	1	/	/	/	1	600	/	/	1	/	/	/	/	1	/
SCSJ-IV(125L/H)	1	/	/	/	1	/	2	/	1	/	/	/	/	1	/
SCSJ-V(45L/H)	1	/	/	/	1	300	/	1	1	1	1	1	2	1	/
SCSJ-V(63L/H)	1	/	/	/	1	/	1	1	1	1	1	1	2	/	/
SCSJ-V(94L/H)	1	/	/	/	1	600	/	1	1	1	1	1	2	/	/
SCSJ-V(125L/H)	1	/	/	/	1	/	2	1	1	1	1	1	2	/	/
SCSJ-VI(45L/H)	1	/	/	/	1	300	/	1	1	/	1	1	2	1	/
SCSJ-VI(63L/H)	1	/	/	/	1	/	1	1	1	/	1	1	2	1	/
SCSJ-VI(94L/H)	1	/	/	/	1	600	/	1	1	/	1	1	2	1	/
SCSJ-VI(125L/H)	1	/	/	/	1	/	2	1	1	/	1	1	2	1	/
SCSJ-VII(45L/H)	1	/	/	/	1	300	/	1	1	/	1	1	2	1	/
SCSJ-VII(63L/H)	1	/	/	/	1	/	1	1	1	/	1	1	2	/	/
SCSJ-VII(94L/H)	1	/	/	/	1	600	/	1	1	/	1	1	2	/	/
SCSJ-VII(125L/H)	1	/	/	/	1	/	2	1	1	/	1	1	2	1	/
SCSJ-VIII(45L/H)	1	/	/	/	1	300	/	1	1	/	1	1	2	/	/
SCSJ-VIII(63L/H)	1	/	/	/	1	/	1	1	1	/	1	1	2	/	/
SCSJ-VIII(94L/H)	1	/	/	/	1	600	/	1	1	/	1	1	2	/	/
SCSJ-VIII(125L/H)	1	/	/	/	1	/	2	1	1	/	1	1	2	/	/
SCSJ-IX(45L/H)	1	/	/	/	1	300	/	1	1	/	1	1	2	1	/
SCSJ-IX(63L/H)	1	/	/	/	1	/	1	1	1	/	1	1	2	/	/
SCSJ-IX(94L/H)	1	/	/	/	1	600	/	1	1	/	1	1	2	/	/
SCSJ-IX(125L/H)	1	/	/	/	1	/	2	1	1	/	1	1	2	1	/

Water Distiller

Electric-heating Water Distiller

Features:

* Stainless steel material, adopt stamping and welding technology.
* Corrosion and ageing resistance, easy to operate, safe and durable.

Technical Parameters:

Model	WD-5	WD-10	WD-20
Water Output	≥5L/H	≥10L/H	≥20L/H
Consumption	5KW	7.5KW	15KW
Power Supply	AC110/220V, 50/60Hz	380V, 50Hz	380V, 50Hz
External Size(Φ*H)	310*700mm	355*820mm	405*677mm
Package Size(W*D*H)	360*360*820mm	360*350*900mm	540*390*740mm
Gross Weight	7.5kg	8.5kg	11.5kg

Auto-control Electric-heating Water Distiller

Features:

* Stainless steel material, adopt stamping and welding technology.
* Water shortage and power-off alarm; automatically make up water and heat again.
* Power, heating indicator and show water shortage.

Technical Parameters:

Model	WD-A5	WD-A10	WD-A20
Water Output	≥5L/H	≥10L/H	≥20L/H
Consumption	5KW	7.5KW	15KW
Power Supply	AC110/220V, 50/60Hz	380V, 50Hz	380V, 50Hz
External Size(Φ*H)	310*740mm	235*855mm	415*720mm
Package Size(W*D*H)	360*360*830mm	360*360*920mm	535*380*770mm
Gross Weight	8kg	9.5kg	13kg