LAB-HUB

LABORATORY GENERAL EQUIPMENT & INSTRUMENT

2020 | PRODUCT CATALOGUE

Analytical Balance
Water Bath / Dry Bath
Drying Oven / Incubator
Mixer / Stirrer / Shaker
Homogenizer
pH Meter / Conductivity Meter
Centrifuge
Autoclave
Ultrasonic Cleaner
Refrigerator / Deep Freezer
Clean Bench

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Analytical Balance (Internal Calibration)

FA-T/JA-T Series

The visual appearance of the product is blent into the simple concept, stylish and generous. Specially makes the fine pouring cast- aluminum outer covering, so as to enhance the balance of the anti-static anti-jamming capability. The panel with five operational button, Sliding glass windscreen provide big space, insightful vision and operate easily. We use high precision magnet sensor to keep the weighing more fast and stable.

Features

- Magnet sensor keep weighing stable and fast
- Full range tare, Counting, Units choose ...
- RS 232 Interface can connect the computer and printer.
- 5 inch touch screen with internal calibration.

Technical Specification

FA-T /JA-T Series Internal calibration									
Mode	FA 1004T	FA 1204T	FA 2004T	FA 2204T	FA 3004T	JA 203T	JA 303T	JA 503T	JA 603T
Range (g)	100g	120g	200g	220g	300g	200g	300g	500g	600g
Cal Weight	100g	100g	200g	200g	200g	200g	200g	200g	200g
Readability(g)	0.0001g								
Operating Temp	5℃-35℃								
	d=0.0001g					d=0.001g			
Repeatability	±3d								
Linearity	±3d								
Weighing Time	≤ 4s								
Sensitivity Drift	±3d								
Corner	±3d								
Weighing Mode	g, oz, ct...								
Pan Size	Φ80mm								
Key Name	Touch Panel								
Host Dimension	365X205X350mm								
Operation	165X170X230mm								
Packing Size	Inside:415×285×430mm Outside:475×315×485mm								
Display	5 Inch Touch Panel								
Interface	RS232/RJ45/USB...								
Internal Cal	Internal calibration by time setting								
Other Function	Counting / Density / Percentage...								
Function expansion	Under weighing / Remote Display...								

FA Series Analytical Balance

The visual appearance of the product is blent into the simple concept, stylish and generous. Specially makes the fine pouring cast- aluminum outer covering, so as to enhance the balance of the anti-static anti-jamming capability. The panel with five operational button, Sliding glass windscreen provide big space, insightful vision and operate easily. We use high precision magnet sensor to keep the weighing more fast and stable.

Features

- Magnet sensor keep weighing stable and fast
- Full range tare, Counting, Units choose ...
- RS 232 Interface can connect the computer and printer.

Technical Specification

Model	FA1004	FA1104	FA1204	FA2004	FA2104	FA2204	FA2604
Capacity	100g	110g	120g	200g	210g	220g	260g
Class	I						
Resolution	0.0001g (0.1mg)						
Repeat Ability	±0.0002g						
Liner	±0.0003g						
Stable Time	≤3s						
Op.Temp	17.5℃～22.5℃						
Pan Size	Φ80mm						
Dimension	340*215*350（L×W×H）mm						
Power	Power Line						
Cal. Method	EXTERNAL						
N.Weight	6.5kg						
G.Weight	10.0kg						
Packing Size	470X320X490（L×W×H）mm						
Interface	RS232						

JA Series Analytical Balance

JA Series

JA-H Series

The visual appearance of the product is blent into the simple concept, stylish and generous. Specially makes the fine pouring cast- aluminum outer covering, so as to enhance the balance of the anti-static anti-jamming capability. The panel with five operational button, Sliding glass windscreen provide big space, insightful vision and operate easily. We use high precision sensor to keep the weighing more fast and stable.

Features

- Magnet /Loadcell sensor keep weighing stable and fast
- Full range tare, Counting, Units choose ...
- RS 232 Interface can connect the computer and printer.
- PS: JA Use magnet, JA-H use loadcell

Technical Specification

Model	JA203	JA303	JA503	JA603	JA103H	JA203H	JA303H
Capacity	200g	300g	500g	600g	110g	210g	310g
Class	I I						
Resolution	0.001g (1mg)						
Repeat ability	±0.002g						
Liner	±0.003g						
Stable Time	≤3s						
Op.Temp	17.5℃～22.5℃						
Pan Size	Φ80 / Φ90mm						
Dimension	340*215*350（L×W×H）mm						
Power	Power Line						
Cal. Metod	EXTERNAL						
N. Weight	6.5kg/5.0kg						
G. Weight	10.0kg/7.5kg						
Packing Size	470X320X490（L×W×H）mm						
Interface	RS232(Option)						

ES-E series Electronic Analytical Balance

ES-E series Electronic Analytical Balance adopts the internationally recognized rear type electromagnetic force sensor technology of high sensitivity and high stability, compared with peer products has high quality and reasonable price. With creative fashion appearance, excellent texture, strict and exquisite craftsmanship, this series balance wins a higher quality and price orientation.

This series is widely used in the industries of scientific research, education, medical treatment, metallurgy, agriculture etc.

Main features:

- Rear type electromagnetic force sensor.
- All transparent glass windshield, samples can be seen entirely and clearly.
- Standard RS232 communication port, realize the communication between data and computer, printer or other device.
- Detachable LCD display, to avoid the balance shaking and vibrating when users press the buttons.
- Select the below hook weighing device.
- Internal weights one key calibration.
- Select thermal printer.

ES-E Series Electronic Analytical Balance main technical parameters

Model Number	ES1035A	ES1055A	ES1085A	ES2035A	ES2055A	ES2085A
Max. Capacity (g)	120/31	120/51	120/81	210/30	210/51	210/81
Calibration Way	Internal Calibration					
Readability (mg)	0.1mg/0.01mg					
Repeatability (mg)	±0.1mg/±0.05mg					
Linearity Error (mg)	±0.1mg/±0.05mg					
Operational Temperature Range (℃)	10~30					
Operational Moisture Range (RH)	20-85%相对（非冷凝）					
Response Time (Average value) (s)	2.5/15					
Pan Diameter (mm)	Φ90					
External Dimension (L*W*H mm)	470*310*320					
Preheat Time (minute)	20-30					
Baud Rate Options	300、600、1200、2400、4800、9600					
Display	Detachable LCD display					

XY-MS Series Moisture Analyzer

MS Series Moisture Analyzer Functions：

- Automatic open the heating chamber. Keep the weighing and test more stable.
- 7 inch HD display， moisture analysis curve， moisture content%/dry weight %/dry weight direct display；
- 40-230℃ limit heating temperature；
- The test height 35cm ；
- The window can look the test sample；
- 20 groups of setting address；
- 20 groups of history can check and print；
- Max weight can choose 200g；
- HBM weighing sensor；
- 4 sets of stainless steel；
- The special material case suit for high temperature test；
- Appearance and structure to obtain a number of patents；
- Easy cleaning for open test chamber；

Technical Specification

XY-MS Series				
Mode	XY-100MS	XY-100MS(plus)	XY-200MS	XY-200MS(plus)
Range (g)	110g		210g	
Readability(g)	0.001g		0.001g	
Operating Temp	5℃-35℃			
Pan Size	Ø100mm			
Heat Source	Halogen Lamp			
Temp. Sensor	PT 100			
Temp. Range	40℃-230℃			
Temp. Step	1℃			
Moisture Range	0.00%-100.00%			
Moisture Readability	0.01%			
Dry Residual Range	100.00%-0.00%			
Dry Residual Readability	0.01%			
ATRO	100%-999%			
ATRO	0%-999%			
Temp Setting	40℃-230℃ By 1℃ Step			
Time Setting	1-99min by 10 s			
Number Of Storage	20			
Number Of History	20			
Heater	220V ±15% 50HZ/ 110V±15% 60HZ 400W			
Balance	Input: 220V 50HZ/110V 60HZ Output:9V			
Machine	Input: 220V 50HZ/110V 60HZ Output:24V (Dual-drive)			
Host Dimension	215X195X415mm			
Indicator Dimension	200X75X135mm			
Operation Height	275mm			
The Chamber Height	35mm			
Display	7 inch touch panel			
Interface	RS232/RJ45/USB...			
Communication Mode	Cable	Wireless	Cable	Wireless
Rechargeable Battery	No	10,000mAh	No	10,000mAh
Calibration	External Calibration			

XY-MW-T Series Moisture Analyzer

Use halogen moisture analyzer should attention:

- Halogen moisture analyzer is used to measure the moisture content in the sample, used for any other purpose are likely to cause harm and personal damage the instrument.
- Please read the instructions carefully before you use it, do not use it under the environment condition which not meet the requirements.
- Halogen rapid moisture analyzer only suit for professional operate.
- Halogen rapid moisture analyzer for power for the three plug with earthing socket, banned disconnect apparatus grounding or use without a good grounding power supply.
- Instrument around should ensure that there is enough space, so as to avoid heat accumulation and heat.
- Please do not put flammable and explosive goods around the instrument.
- After the test, the heating unit and the container is still very hot, so please do not touch it.
- Toxic substances testing should be under ventilation environment.

Technical Specification

XY-100MW-T Series Moisture Analyzer	
Mode	XY-100MW-T
Range (g)	110g
Readability(g)	0.001g
Operating Temp	5℃-35℃
Pan Size	Ø 90mm
Heat Source	Halogen Lamp
Temp. Sensor	PT 100
Temp. Range	40℃-199℃
Temp. Step	1℃
Moisture Range	0.00%-100.00%
Moisture Readability	0.01%
Dry Residual Range	100.00%-0.00%
Dry Residual Readability	0.01%
Temp Setting	40℃-199℃ By 1℃ Step
Time Setting	1-99min by 10 s
Number Of Storage	20
Number Of History	20
Heater	220V ±15% 50HZ 400W
Balance	Input: 220V 50HZ Output:9V
Host Dimension	360X490X350mm
The Chamber Height	22mm
Display	5 inch touch panel
Calibration	External Calibration
Interface	RS232

XY-MW Series Moisture Analyzer

Features:

- Use halogen moisture analyzer should attention:
- Halogen moisture analyzer is used to measure the moisture content in the sample, used for any other purpose are likely to cause harm and personal damage the instrument.
- Please read the instructions carefully before you use it, do not use it under the environment condition which not meet the requirements.
- Halogen rapid moisture analyzer only suit for professional operate.
- Halogen rapid moisture analyzer for power for the three plug with earthing socket, banned disconnect apparatus grounding or use without a good grounding power supply.
- Instrument around should ensure that there is enough space, so as to avoid heat accumulation and heat.
- Please do not put flammable and explosive goods around the instrument.
- After the test, the heating unit and the container is still very hot, so please do not touch it.
- Toxic substances testing should be under ventilation environment.

Technical Specification

XY-MW Series Moisture Analyzer				
Model	XY105MW	XY102MW	XY100MW	XY100MW-T
Specification	110g/5mg	110g/2mg	110g/1mg	110g/1mg
Sensor	LOADCELL			
Pan Size	Φ90mm			
Readability	5mg	2mg	1mg	1mg
Operating Temp. Range	5°C—35°C			
Heat Source	HALOGEN LAMP-1		HALOGEN LAMP-2	
Temp Sensor	PT-100			PT-100
Temp Range	40°C—199°C			40°C—199°C
Temp Step	1°C			1°C
Moisture Range	0.00%—100.00%			
Moisture Readability	0.10%	0.04%	0.01%	0.01%
Dry Range	100.00%—0.00%			100.00%—0.00%
Dry Readability	0.10%	0.04%	0.01%	0.01%
Atro	100%....999%			100%....999%
Atro	0%....999%			0%....999%
Number Of Storage	15			20

Laboratory Water Bath BHS Series

- Concave surface anti-seepage design
- The tank and cover are made of 304 stainless steel
- Digital thermoregulation, built-in drainage pipe.

Features:

1. Concave surface: Protect temperature control instrumentation from being destroyed by the overflowed boiling water during heating.
2.The tank is using a molding technology. No-interface, no welding seam, to avoid rusting and leaking. The circular arc from would be easy to clean.
3.The tank and cover are made of 304 stainless steel. Reprocessed surface to avoid rusting and corrosion. Size of the hole can be customized.
4.The cap is made of plastic (PP)

Specification:

Model	Tem. Range	Power	Tem. Resolution	Work Chamber Size
BHS-1 Single Hole	RT~99.9℃	300W	0.1℃	16*16*13cm
BHS-2 Double Holes	RT~99.9℃	600W	0.1℃	30*15*14cm
BHS-4 Two Raw Four Holes	RT~99.9℃	1200W	0.1℃	30*30*14cm
BHS-6 Two Raw Six Holes	RT~99.9℃	1800W	0.1℃	45*30*13cm

Thermostatic Water Tank

Features

- Microprocessor control with timing and temperature correction function.
- The shell is made of high quality steel plate ,surface coated.
- The chamber, frame and top cover are made of stainless steel.
- Between the inner and outer space are filled with high-quality insulation materials, anti-corrosive and good appearance.
- LCD display

Technical Specification

Model	LTT-600 （3 Usage）	LTT-420 （3 Usage）	LWT-600	LWT-420
Temperature Range (℃)	RT+5~100		RT+5~65	
Temperature Fluctuation (℃)	±0.5			
Temperature Uniformity(℃)	±0.5			
Power Supply	220V／50Hz			
Power Rating （W）	2000±10%	1500±10%	500±10%	300±10%
Chamber Size (W*D*H)cm	60*30*15	42*18*11	60*30*15	42*18*11
Exterior Size （W*D*H)cm	74*38*39	58*27*26	75*38*37	57*26*27
Package Size (W*D*H)cm	81*48*48	65*35*34	81*48*47	65*34*34
Net/Gross Weight（kg）	19/33	11.5/13	19/33	11.5/13

LTF-8D Water Bath

Features

- Stainless steel chamber and top cover.
- 3 independent water tanks and temperature controls. Can separately set and control temperature.
- Freely set operating temperature, with alarm function.
- LCD display for set temperature and measured temperature .
- Equipped with leakage protection.

Technical Specification

Model	LTF-8D
Power Supply	220V,50HZ
Temperature Range (℃)	RT+5～99
Power Rating （W）	800
Temperature Fluctuation (℃)	±0.5
Chamber Size (W*D*H)cm	(14*16.8*11.5)*3
Exterior Size（W*D*H)cm	50*30*31
Package Size (W*D*H)cm	58*35*38
Net/Gross Weight（kg)	9/14

Thermostatic Metal Dry Bath

HX-20 HX-20L

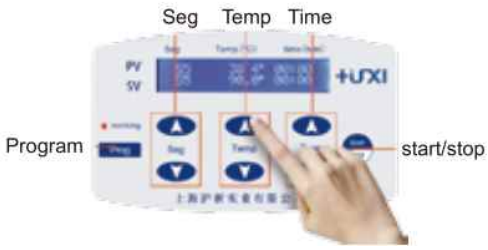
HX-20G

Application

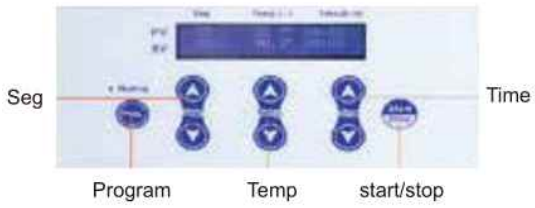
Metal bath, working with microcomputer control and semiconductor refrigeration technology ,can be equipped with a variety of modules, which can be widely used in the preservation and reaction of various enzymes, denaturation of nucleic acids and proteins, PCR reactions, Pre-denaturation of electrophoresis and serum coagulation.

Features

- LCD liquid crystal display;
- Microcomputer temperature controller, accurate temperature control, display real-time temperature and constant temperature countdown time;
- Up to 5 temperature points and constant temperature settings and continuous operation;
- Use metal modules to protect samples from contamination;
- Metal modules can be easily replaced, easy to clean and disinfect;
- Temperature deviation calibration function; built-in over temperature protection device;
- Automatic fault detection and buzzer alarm function;
- Touch interface blue LCD display instant parameter information.



HX-20L Working Panel



HX-20G Working Panel

Technical Specification

Model	Hole(d) & Tubes Qty		Model	Hole(d) & Tubes Qty	
LC01	6mm*42 pcs	≤150℃ module can	**LC-A**	96*0.2ml standard plate	≤100℃ module can be changed
LC02	7mm*42 pcs		**LC-B**	54*0.5ml Centrifuge tube	
LC03	10mm*42 pcs		**LC-C**	35*1.5ml Centrifuge tube	

LC04	12mm*42 pcs	be changed	**LC-D**	35*2.0ml Centrifuge tube	
LC05	13mm*42 pcs		**LC-E**	20*0.5ml+15*1.5mlcentrifuge tube	
LC06	15.5mm*12pcs		**LC-F**	24*D≤12mm Centrifuge tube	
LC07	16.5mm*12pcs		**LC-G**	32*0.2ml+25*1.5ml Centrifuge tube	
LC08	19.5mm*12pcs		**LC-H**	32*0.2ml+10*0.5ml+15*1.5ml Centrifuge tube	
LC10	26.5mm*6pcs		**LC-J**	96mm*0.2pcs(Enzyme plate)	
LC11	28.5mm*4pcs		**LC-K**	24*5ml Centrifuge tube	
LC12	40.5mm*2PCS		**LC-L**	12*15ml(Centrifuge tube)	
LC13	0.5mm*42PCS		**LC-M**	6*50ml tube（Centrifuge tube）	
LC14	1.5mm*24pcs				
LC15	2.0mm*24pcs				
LC16	0.2mm*48pcs				

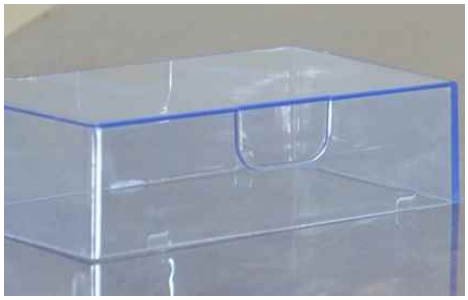
Product details（HX-20L）

Metal module for easy cleaning

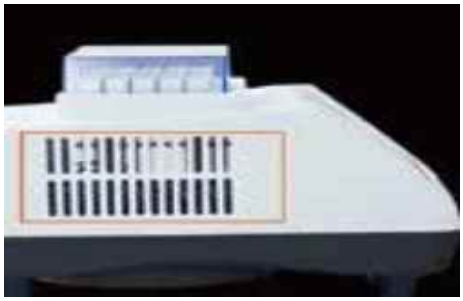
Silent Working
Less Noise

Safety:
The fuse will automatically power off when have any faults

3-hole power plug:
International safety qualification

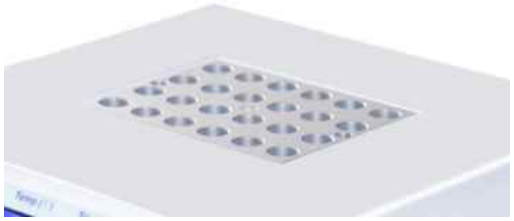


Cover transparent design
PUC plastic, transparent design



More heat sink:
Cooling holes on both sides and on the ground, effectively avoiding experimental failures caused by overheating of the instrument.

Product details（HX-20G）



304 high density metal module

stable Plastic base

Light body material

Heating Mantle

With Digital Temperature Control

HMC Series

Features:

1.Insulation Material is high temperature E-glass fiber
2.The resistance wire which made of nickel-chromium material sealed in the insulating layer and knitted into a semi-spherical inner heat type heater
3.Hemispherical heater, heating evenly and fast

Specification:

Type	Model	Specification	Heating Power	Max Temperature
Digital Temperature Control Heating Mantle	**HMC**	100 ml	100w	RT~380℃
		250 ml	150w	
		500 ml	250w	
		1000 ml	350w	
		2000 ml	450w	
		3000 ml	600w	
		5000 ml	800w	
		10000 ml	1200w	
		20000 ml	2400w	

Digital Temperature Control Heating Mantle With Magnetic Stirrer

HMSC Series

Features:

1.Insulation Material is high temperature E-glass fiber

2.The resistance wire which made of nickel-chromium material sealed in the insulating layer and knitted into a semi-spherical inner heat type heater

3.Hemispherical heater, heating evenly and fast

Specification:

Type	Model	Specification	Heating Power	Max Temperature
Digital Temperature Control Heating Mantle With Magnet Stirrer	HMSC	100 ml	100w	RT~380℃
		250 ml	150w	
		500 ml	250w	
		1000 ml	350w	
		2000 ml	450w	
		3000 ml	600w	
		5000 ml	800w	
		10000 ml	1200w	
		20000 ml	2400w	

LDO Constant Temperature Drying oven

Features

- High quality stainless steel chamber, safe and easy-to-clean.
- Microprocessor controller with LCD display, accurate and reliable.
- Equipped with multiple sets of heaters.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp. control failed.
- Adopt temperature selection switch which can select the grade according to the heating speed and operating temperature.
- Convenient operation for air inlet, reasonable air duct structure, good temperature uniformity.
- With inner glass door for easy observation.
- Anti-hot handle

Technical Parameters:

1. Temp. Range:RT+10℃-300℃
2. Temp. Fluctuation:±1℃.
3. Temp. Resolution：0.1℃
4. Temp. Uniformity:≦Max. Temp.±3.5℃%.
5. Power Supply:220V,50HZ

Options:

1. Multi-segment programmable control
2. Built-in Printer
3. RS485 interface

Technical Specification

Model	Package Size (L×W×H) cm	Exterior Size (L×W×H) cm	Chamber Size (L×W×H) cm	Power Rating (W)	Shelf	Net/ Gross (kg)
LDO-300	75*63*77	64*50*60	35*35*35	1300	2	35 / 55
LDO-400	85*66*86	73*53*69	45*40*45	2000	2	50 / 80
LDO-500	90*76*98	78*69*80	50*50*55	2500	2	75 / 110
LDO-600	100*86*110	88*73*95	60*60*70	3500	2	110 / 150

LDO -Forced Air Drying Oven

Features

- Horizontal and vertical forced air type, good temperature uniformity.
- Microprocessor controller(with temperature correction and timing function), accurate and reliable.
- Large LCD screen display.
- High quality stainless steel chamber, removable shelf, easy-to-clean.
- Equipped with multiple sets of heaters.(For LDO-101 Series)
- Adopt temperature selection switch which can select the grade according to the heating speed and operating temperature.(For LDO-101 Series)
- Silicon sealing ring for reliable sealing.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp. control failed.
- Optional printer or RS485 interface which can print or connect computer for remote control and alarm.
- Anti-hot handle

Technical Parameters:

1. Temp. Fluctuation:±1℃.
2. Temp. Uniformity:±2.5℃%.
3. Temp. Resolution：0.1℃
4. Timer：1~9999m

Options:

1. Multi-segment programmable control
2. Built-in Printer
3. RS485 interface

Technical Specification

Model	Volume (L)	Chamber Size (W×D×H)cm	Exterior Size （W×D×H) cm	Package Size (W×D×H) cm	Power Rating （W）	Temp. Range （℃）	Shelf	Net/ Gross （kg)	Power Supply	Shape
LDO-101-0	43	35×35×35	64×50×60	75×63×77	1300	RT+10～300	2	40/60	AC 220V 50HZ	Horizontal
LDO-101-1	81	45×40×45	73×53×69	85×66×86	2000		2	55/85		
LDO-101-2	138	50×50×55	78×69×80	90×76×98	2500		2	80/115		
LDO-101-3	252	60×60×70	88×73×95	100×86×110	3500		2	110/150		
LDO-101-4	640	80×80×100	108×93×125	120×108×143	5500		3	170/250	AC 380V 50HZ	
LDO-101-5	960	100×80×120	128×98×145	142×108×165	7000		3	250/340		
LDO-9023A	25	30×30×28	58×50×45	70×60×60	320	RT+10～200	2	29/36	AC 220V 50HZ	Horizontal
LDO-9053A	54	42×37×35	71×56×42	82×66×69	600		2	35/43		
LDO-9123A	138	50×50×55	83×61×72	95×76×98	1200		2	45/55		
LDO-9203A	252	60×60×70	88×78×82	98×78×95	1600		2	60/69		
LDO-9030A	31.5	30×30×35	45×47×70	53×53×77	700	RT+10～200	2	29/37	AC 220V 50HZ	Vertical
LDO-9070A	72	40×40×45	55×60×80	59×61×84	1000		2	45/52		
LDO-9140A	136	45×55×55	64×73×90	65×76×94	1600		2	45/56		
LDO-9240A	225	50×60×75	88×72×93	83×86×123	2000		2	62/70		
LDO-9420A	429	60×55×130	78×71×170	93×81×178	2600		3	130/153	AC 380V 50HZ	
LDO-9620A	624	80×60×130	98×80×178	113×86×188	3600		3	168/186		
LDO-9036A	31.5	30×30×35	45×47×70	53×53×77	950	RT+10～300	2	29/37	AC 220V 50HZ	
LDO-9076A	72	40×40×45	55×60×80	59×61×84	1400		2	40/50		
LDO-9146A	136	45×55×55	64×73×90	65×76×94	2000		2	45/56		
LDO-9246A	225	50×60×75	69×77×114	83×86×123	2600		2	62/70		
LDO-9426A	429	60×55×130	78×71×170	93×81×178	3500		3	130/153	AC380V 50HZ	
LDO-9626A	624	80×60×130	103×80×178	113×86×188	5700		3	168/186		

LIO- Far Infrared Fast Drying Oven

Technical Parameters:

1. Temp. Range:RT+10℃-300℃
2. Temp. Fluctuation:±1℃.
3. Temp. Resolution：0.1℃
4. Temp. Uniformity:≦Max. Temp.±3.5℃%.
5. Power Supply:220V,50HZ

Options:

1. Multi-segment programmable control
2. Built-in Printer
3. RS485 interface

Features

- Equipped with far-infrared heating radiator and temperature control.
- Microprocessor controller(with temperature correction and timing function).
- Large LCD screen display.
- High quality stainless steel chamber, removable shelf, easy-to-clean.
- Equipped with multiple sets of heaters.
- Adopt temperature selection switch which can select the grade according to the heating speed and operating temperature.
- Convenient operation for air inlet, reasonable air duct structure, good temperature uniformity.
- Silicon sealing ring for reliable sealing.
- With inner glass door for easy observation.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp. control failed.
- Optional printer or RS485 interface which can print or connect computer for remote control and alarm.
- Anti-hot handle

Technical Specification

Model	Exterior Size (W×D×H) cm	Chamber Size (W×D×H) cm	Package Size (W×D×H) cm	Power Rating（W）	Net/Gross （kg)	Shelf	Temp. Range（℃）	Power Supply
LIO-300	64×50×60	35×35×35	75×57×84	1400	36 / 56	2	RT +10 ～ 250	220V, 50Hz
LIO-400	73×53×69	45×40×45	86×60×90	2000	51 / 81	2		
LIO-500	78×69×80	50×50×55	96×70×100	2800	76 /111	2		
LIO-600	88×73×95	60×60×70	106×80×110	4000	111/151	2		

LVO Vacuum Drying Oven

Features

- Microprocessor controller with LCD display, more accurate and reliable.
- Polished stainless steel chamber, durable and easy to clean.
- Tempered, bullet-proof double glass door ensure the safety of operator and clear observation of the chamber.
- Door tightness can be adjusted, silicon sealing. To keep vacuum states in the chamber, can fill working chamber with inert gas (inflation pressure≦ 0.1 MPa).
- Storage, heating, testing and drying can be performed in the environment without oxygen or in an inert atmosphere. It will not cause oxidation.
- Equipped with leakage protection.

Options:

1. Programmable temperature controller
2. Built-in Printer
3. RS485 Connector
4. Inert gas inlet valve
5. Small vacuum pump (6020, 6050)
6. Large vacuum pump (6090, 6210)

Technical Specification

Model	LVO-1B(6050)	LVO-0B(6020)	LVO-6090	LVO-6210	LVO-6933
Power Supply	AC 220V, 50Hz				
Power Rating	1.4KW	0.5KW	1.6KW	2.2KW	5.5KW
Temperature Range（℃）	RT+10～250	RT+10～200			
Temperature Fluctuation	±1℃				
Display Resolution	0.1℃				
Vacuum Degree	<133 Pa				
Chamber Size (W*D*H)cm	42*35*37	30*30*28	45*45*45	56*60*64	75.5*116*115
Exterior Size (W*D*H)cm	71*59*53	58*57*45	61*66*145	72*82*175	93*130*182
Package Size (W*D*H)cm	82*70*69	70*64*60	78*76*163	89*92*193	120*145*200
Net/Gross （kg）	75/106	35/50	90/145	145/195	550/600

LVO-LC Vacuum Drying Oven

Features

- Microprocessor controller with LCD display, more accurate and reliable.
- Polished stainless steel chamber, durable and easy to clean.
- Tempered, bullet-proof double glass door ensure the safety of operator and clear observation of the chamber.
- Door tightness can be adjusted, silicon sealing. To keep vacuum states in the chamber, can fill working chamber with inert gas (inflation pressure≦ 0.1 MPa).
- Storage, heating, testing and drying can be performed in the environment without oxygen or in an inert atmosphere. It will not cause oxidation.
- Vacuum degree is full-automatic controlled by microcomputer
- Equipped with leakage protection.

Options:

1. Multi-segment programmable control
2. Built-in printer
3. RS485 interface
4. Inert gas inlet valve
5. Vacuum pump

Technical Specification

Model	LVO-6050LC	LVO-6090 LC	LVO-6210 LC
Power Supply	AC 220V, 50Hz		
Power Rating（KW）	1.4	1.6	2.2
Temperature Range（℃）	RT+10～250	RT+10～200	
Temperature Fluctuation	±1℃		
Display Resolution	0.1℃		
Vacuum Degree	<133 Pa		
Chamber Size (W*D*H)cm	42*35*37	45*45*45	56*60*64
Exterior Size (W*D*H)cm	53*56*137	61*66*145	72*82*175
Package Size (W*D*H)cm	70*66*155	78*76*163	89*92*193
Net/Gross（kg）	75/106	90/145	145/195

LBI Biochemical Incubator

Features

- Imported compressor, automatic control for hot and cold.
- Microprocessor temperature control with large LCD display, high precision.
- Polished stainless steel chamber, moveable shelves can be freely adjusted, easy for cleaning.
- Equipped with power supply outlet and lamp inside, easy observation.
- The chamber equipped with fan for forced convection.
- The surface coated, good appearance and maintenance.
- Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temperature control failed(for heating).
- RS485 connector to connect computer and printer, temperature and time data can be displayed on computer and print.

Options:

1. Multi-segment programmable control
2. Built-in printer
3. Φ25mm（50mm）test hole
4. RS485/232 connector
5. Wireless alarm system (SMS alarm system)

Technical Specification

Model	LBI-80	LBI-150	LBI-200	LBI-250	LBI-300	LBI-400
Chamber Volume	80L	150L	200L	250L	300L	400L
Temperature Range	0~60 ℃					
Display Resolution	0.1 ℃					
Temperature Stability	Heating：±0.5℃；Cooling：±1℃					
Temperature Uniformity	±1℃					
Timing Range	1~9999min					
Power Rating（W）	180	250	300	350	400	550
Refrigerant	R134a					
Power Supply	220±10%V 50Hz					
Continuous Operation	Long continuous operation					
Chamber Size(W*D*H)cm	40*37*55	45*42*85	45*45*100	48*49*107	52*50*117	58*54*127
Exterior Size(W*D*H) cm	54*57*107	59*62*137	59*64*152	62*68*159	66*69*169	72*74*179
Package Size (W*D*H)cm	70*73*126	75*78*156	75*80*171	78*84*178	82*85*188	88*90*198
Net/Gross Weight（kg）	50/85	90/120	95/138	103/147	115/157	135/170

LBI-N Series Cooling Incubator

Features

- Imported compressor, automatic control for hot and cold.
- Microprocessor control with large LCD screen, easy menu operation and high precision.
- Polished stainless steel chamber，moveable shelves can be freely adjusted, easy for cleaning.
- Equipped with power supply outlet and lamp inside,easy observation.
- Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.
- RS485 connector to connect computer and printer, temperature and time data can be displayed on computer and print.
- External printer records temperature and time data in real time.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temperature control failed(for heating).

Options:

1. Programmable temperature controller
2. Built-in printer
3. Φ25mm（50mm）test hole
4. RS485/232 connector

Technical Specification

Model	LBI-175-N	LBI-275-N	LBI-375-N	LBI-475-N	LBI-800-N	LBI-1075-N
Chamber Volume	175L	275L	375L	475L	800L	1075L
Temperature Range	-10~75 ℃					
Display Resolution	0.1℃					
Temperature Stability	±0.5℃					
Temperature Uniformity	±1℃					
Timing Range	0~99h59min					
Power Rating	300W	350W	450W	500W	800W	1000W
Refrigerant	R134a					
Power Supply	AC 220V±10%，50Hz±2%					
Continuous Operation	Long continuous operation					
Exterior Size(W*D*H)cm	61*62 *150	74*71 *157	75*75 *173	86*75 *182	113*93 *198	101*90 *224
Chamber Size(W*D*H)cm	45*42 *93	58*51 *93.5	59*55 *116	70*55 *125	96.5*61 *137	95*70 *160
Net/Gross weight （kg）	75/115	85/128	93/137	105/147	175/240	205/290

LI Heating Incubator

Features

- Unique air duct design, good temperature uniformity.
- Microprocessor controller(with temperature correction and timing function).
- Large LCD screen display.
- High quality stainless steel chamber, removable shelf, easy-to-clean.
- Silicon sealing ring for reliable sealing.
- With inner glass door for easy observation, open the outer door for observation will not affect the temperature inside.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp. control failed.
- Optional printer or RS485 interface which can print or connect computer to realize remote control and alarm.
- Anti-hot handle

Technical Parameters:

Temp. Range: RT+ 5℃~66℃
Temp. Fluctuation: ±0.5℃.
Temp. Uniformity: ±1℃
Temp. Resolution: 0.1℃
Power Supply: AC 220V,50HZ

Options:

1. Multi-segment programmable control
2. Built-in printer
3. RS485 interface
4. UV sterilizer

Technical Specification

Model	Exterior Size （(W×D×H)cm	Chamber Size (W×D×H)cm	Package Size (W×D×H)cm	Shelf	Power Rating （W）	Net/Gross （kg)
LI-360（Desktop）	64*50*60	35*35*35	75*63*77	2	450	40/60
LI-420（Desktop）	73*53*69	45*40*45	85*66*86	2	700	50/75
LI-500（Desktop）	78*69*80	50*50*55	90*76*98	2	850	75/110
LI-600（Desktop）	88*73*95	60*60*70	100*86*110	2	1200	100/140
LI-9020F（For home）	38*42.5*45	23*32*25	45*50*54	2	200	16/18
LI-9022（Vertical）	38*35*62	25*25*32	46*45*67	2	150	25/30
LI-9032（Vertical）	43*40*65	30*30*35	51*50*70	2	180	28/34
LI-9052（Vertical）	48*46*73	35*35*41	55*53*76	2	250	32/38
LI-9082（Vertical）	53*50*83	40*40*50	68*58*85	2	300	45/55
LI-9162（Vertical）	63*60*97	50*50*65	70*68*100	3	450	65/78
LI-9272（Vertical）	73*70*107	60*60*75	80*78*120	3	600	88/105

LTH-N Constant Temperature & Humidity Chamber

(Internal humidification)-Fluorine-free refrigeration

Features

- Imported international brand compressor with cooling system, effectively extend the life of the compressor.
- Imported brand humidity sensor, built-in tank heating humidification system, effectively ensuring the humidity deviation.
- Large LCD screen to display more data at same time. Menu-type operation interface, easy operation.
- Digital display for temperature and humidity ,multi-segment program control technology, high precision.
- PID microprocessor ensures precise control for temperature and humidity .
- There are 99 cycles of program, each cycle is divided into 30 segments, each segment contains 99 hours and 99 minutes of cycle steps, it can happily meet almost all the complicated experiment process.
- Temperature -limiting alarm system ensures experiment runs safely. If the temperature exceeds the limit, the operation will be automatically stopped and alarm will prompt the operator.
- Polished stainless steel chamber， surface painted， adjustable shelves,, easy for cleaning.
- Equipped with power supply and UV lamp for sterilization in chamber.
- Double door designed, tempered glass inner door for easy observation.
- JAKEL circulation fan, reasonable air duct structure, effectively guarantee the temperature stability inside the box.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp. control failed. (for heating).
- Equipped with UV sterilization device.

Options:

1. Built-in printer
2. ϕ25mm/50mmtest hole
3. Wireless alarm system (SMS alarm system）
4. RS485 connector

Technical Specification

Model	LTH-175 -N	LTH-275 -N	LTH-375 -N	LTH-475 -N	LTH-800 -N	LTH-1075 -N
Chamber Volume	175L	275L	375L	475L	800L	1075L
Temperature Range	0~65 ℃					
Display Resolution	0.1℃					
Temperature Fluctuation	HIGH±0.5 ℃、LOW±1 ℃					
Temperature Uniformity	±1 ℃					
Humidity Range	30~95%RH					
Power Rating	1100W	1400W	1950W	2000W	2300W	2600W
Humidity Stability	±3%RH					
Refrigerant	R134a					
Power Supply	AC 220V±10%，50Hz±2%					
Continuous Operation	Long continuous operation					
Ambient Temperature	5~40℃					
Exterior Size (W*D*H)cm	61*62*150	74*71*157	75*75*173	86*75*182	113*93*198	101*90*224
Chamber Size (W*D*H)cm	45*42*93	58*51*93.5	59*55*116	70*55*125	96.5*61*137	95*70*160
Net/Gross weight（kg）	82/125	95/138	103/147	115/157	185/250	215/300

Performance parameters are tested under non-load conditions: ambient temperature is 20°C, relative humidity is 50% RH

WJ Series CO2 Incubator

Features

- Water jacket and air jacket structure are available, polished stainless-steel chamber with air duct. Equipped with fan for forced convection, ensuring good temperature uniformity and the balance of CO2 concentration inside.
- PID microprocessor is used to control temperature, meanwhile, the temperature of box ,water and door are separately controlled by three probes to ensure high accuracy. (Air jacket is equipped with two probes to control door temperature and main body temperature.)
- Digital display for setting parameters, each working state has LED indication.
- Alarm function for over-heating, lack of water, unaspirated, ensuring the safe operation of the equipment.
- Equipped with sterile air filtration devices and UV light system to reduce pollution.
- Natural evaporation for humidification to ensure the chamber can maintain good humidity .
- The ratio of CO2 gas and air can be arbitrarily selected according to the needs, direct reading type flow meter, accurate and easy operation.

Technical Specification

Model	WJ-2	WJ-2-160
Chamber Volume（L）	80	160
Temperature Range（℃）	RT+3～60	
Temperature Stability（℃）	≤±0.2	
Temperature Uniformity（℃）	≤±0.3	
Timing Range	1～9999min or without timing	
CO_2 Range	0～20%	
Humidity Method	Natural Vaporization	
Power Supply	AC220V,50HZ	
Power Rating（W）	600	900
Chamber Size (W*D*H)cm	40*40*50	50*50*65
Exterior Size(W*D*H)cm	57*59*93	69*69*103
Package Size(W*D*H)cm	64*68*103	70*78*118
Net/Gross Weight（kg）	55/85	75/110

CO2 Incubator

Features

- Water jacket and air jacket structure are available, polished stainless-steel chamber with air duct. Equipped with fan for forced convection, ensuring good temperature uniformity and the balance of CO2 concentration inside.
- When door opened, the fan is automatically turned off and stop heating to reduce the pollution caused by the entry of air.
- Large LCD screen and PID controller design. PID microprocessor is used to control temperature and air, meanwhile, the temperature of box ,water and door are separately controlled by three probes to ensure high accuracy. (Air jacket is equipped with two probes to control door temperature and main body temperature.)
- Flexible switch, each working status has LCD indication.
- Alarm function for over-heating, lack of water, unaspirated, ensuring the safe operation of the equipment.
- Equipped with sterile air filtration devices and UV light system to reduce pollution.
- Natural evaporation for humidification, so that the chamber can maintain good humidity and the humidity can be displayed on screen.
- Adopt gilded infrared probe in the detection of CO2 for precise measurement. The sensor life expectancy is up to 15 years. With alarm function for over concentration, slow concentration rising and unaspirated.

Options:

1. RS485/232 connector
2. CO2 pressure releasing valve
3. Wireless alarm system (SMS alarm system)
4. HEPA filter system
5. Automatic humidification system
6. 90℃ High temperature sterilization

Technical Specification

Model	LCI-85/LCI-85T	LCI-165/LCI-165T	LCI-270/LCI-270T
Chamber Volume	85L	165L	270L
Temperature Range	RT+3～60℃		
Display Resolution	0.1℃		
Temperature Fluctuation	≤±0.2℃		
Temperature Uniformity	≤±0.3℃		
CO_2 Range	0～20%		
CO_2 Control Resolution	±0.1%(imported sensor)		
Humidity Method	Natural Vaporization		
Power Supply	AC220V,50HZ		
Power Rating	600W	900W	1400W
Chamber Size (W*D*H)cm	40*42.5*50	50*51*65	60*60*75
Exterior Size (W*D*H)cm	55*57*80	65*73*103	72*75*110
Net/Gross Weight （kg）	59/92	83/120	132/165

Anaerobic Incubator LAI-3

Features

- Equipped with large LCD screen display, high-precision microcomputer control (with timing function), it can accurately and visually reflect the actual temperature inside the incubator, over heating alarm adopted, safe and reliable.
- UV Sterilizer, effectively prevent bacterial contamination.
- Switch control for solenoid valve, it can accurately adjust the flow and input any necessary gas.
- Stainless steel cultivation and operation room, transparent impact-resistant glass front window for easy observation. Latex gloves are comfortable and reliable, easy to use.
- Operation room is equipped with deoxidization catalyst.
- The incubator is designed with a double widen door, it can put more petri dishes.
- Equipped with leakage protection.

Technical Specification

Model	LAI-3
Time for creating anaerobic state in sample chamber	＜5 minutes
Time for creating anaerobic state in operation chamber	＜1hr
Anaerobic environment maintenance time	＞12hrs(when no supply of mixed gas)
Temperature Range	RT+3~60℃
Temperature Stability	＜±0.3℃
Temperature Uniformity	＜±1℃
Display Resolution	0.1℃
Timing Range	1~9999min
Power Rating	600W
Power Supply	AC 220V,50HZ
Net/Gross Weight (kg)	240/320
Interior Chamber Size (W*D*H)cm	30×19×29
Operation Chamber Size (W*D*H)cm	82×66×67
Exterior Size (W*D*H)cm	126×73×138
Package Size (W*D*H)cm	139×92×156

LAI-3T Anaerobic Incubator LAI-3T

Features

- Microprocessor controller ,large color touch screen, accurately control the temperature and gas in incubator, easy operation.
- The system adopts Siemens PLC as the core controller, complementary with high precision temperature sensors, oxygen sensor, temperature control module and analog module to ensure high accuracy, good stability and high security, real-time monitoring of process data.
- UV Sterilizer, effectively prevent bacterial contamination.
- Switch control for solenoid valve, it can accurately adjust the flow and input any necessary gas.
- Stainless steel cultivation and operation room, transparent impact-resistant glass front window for easy observation. Latex gloves are comfortable and reliable, easy to use.
- Operation room is equipped with deoxidization catalyst.
- The incubator is designed with a double widen door, it can put more petri dishes.
- Imported oxygen sensors can observe oxygen concentration in the operating room at any time.
- Equipped with leakage protection.
- The operating room is equipped with special inoculating rod sterilizer and wax melting disinfection device.
- With USB interface, can store 6 months of data.

Technical Specification

Model	LAI-3T
Time for creating anaerobic state in sample chamber	＜5 minutes
Time for creating anaerobic state in operation chamber	＜1 hr
Anaerobic environment maintenance time	＞12 hrs.(when no supply of mixed gas)
Temperature Range	RT+3~60℃
Temperature Stability	＜±0.3℃
Temperature Uniformity	＜±1 ℃
Display Resolution	0.1℃
Timing Range	1~9999min
Power Rating	600W
Power Supply	AC 220V,50HZ
Net/Gross Weight(kg)	240/320
Interior Chamber Size (W*D*H)cm	30×19×29
Operation Chamber Size (W*D*H)cm	82×66×67
Exterior Size (W*D*H)cm	126×73×138
Package Size(W*D*H)cm	139×92×156

LAI-D1 D2 Anaerobic Workstation

Features

- This workstation integrates CO2, Constant temperature and humidity, anaerobic incubator whole.
- Can operate as an anaerobic or micro-oxygen chamber (oxygen concentration: 0-10%).
- Fully automatic humidity control system to avoid drying of the Petri dishes.
- Sample transfer: can transfer 40 pcs of 90mm plates at a time, single dish transfer device is optional.
- Available with automatic sleeve gassing system operated by foot-switch, so you can control vacuum and Nitrogen gas filling efficiently. Equipped with standard external vacuum pump.
- Using high-efficiency palladium catalyst to keep the oxygen concentration less than 0.1% without frequent activation.
- UV lamp for sterilization.
- Full-automatic control for gas replacement path, with positive pressure and negative pressure protection.
- Can perform CO2 , humidity and temperature control.
- Unique oil bottle type pressure relief design, protects internal positive pressure and prevents air leakage.
- With a number of low pressure, over temperature protection devices.
- The whole front cover can be lifted off for placing large instruments or thorough cleaning.
- Equipped with standard power socket.
- Touch screen directly displays the oxygen percentage of the operating room, easy for observation.
- Latex gloves for comfortable and flexible operation.
- Bare-hand operating system is optional. Ensure comfortable operation with no skin allergies.

Technical Specification

Model	LAI-D1	LAI-D2
Time for creating anaerobic state in sample chamber	＜5 minutes	
Time for creating anaerobic state in operation chamber	＜1hr	
Anaerobic environment maintenance time	＞12hrs(when no supply of mixed gas)	
Temperature Range	RT+3~60℃	
Temperature Stability	＜±0.3℃	
Temperature Uniformity	＜±1℃	
CO_2 Range	0～20%	
CO_2 Control Accuracy	±0.1%(imported sensor)	
Humidity Control Range	50~90%RH	
Humidity Fluctuation	±3%RH	
Power Rating	1500W	
Power Supply	AC 220V,50HZ(can customized)	
Interior Chamber Size (W*D*H)cm	42*29*47.5	
Operation Chamber Size (W*D*H)cm	95*67*75	
Sampling chamber size (W*D*H)cm	40×30×32	
Shell material	Spray treatment on high quality steel plate	All 304 stainless steel

Constant Temperature Shaking Incubator（Benchtop）

Features

- Integrated with incubator and shaker to save space and cost.
- ABS shell, polished stainless steel chamber.
- Large LCD screen to display temperature and shaking speed.
- With operation data memory function to eliminate faulty operation.
- Non-volatile memory saves settings during a power outage and automatically restarts the unit as originally programmed after power is restored.
- Auto-stop operation when door is opened. Strong air spring rod with easy opening and closing.
- Brushless DC motor, more stable and reliable.
- Equipped with leakage protection.

Technical Specification

Model	LYZ-103B	LYZ-100B	LYZ-200B
Shaking Speed (rpm)	20-300		
Speed accuracy (rpm)	±1		
Swing amplitude（mm）	Φ26		
Standard configuration	100ml*9	50ml*4, 100ml*4 ,250ml*3, 500ml*3	50ml*5, 100ml*5 ,250ml*4, 500ml*3
Maximum capacity	50ml*12, 100ml*9	50ml*20 or 100ml*16 or 250ml*12 or 500ml*9	100ml*20 or 250ml*16 or 500ml*12 or 1000ml*5 or 2000ml*4
Tray Size（mm）	295*253	400*370	450*410
Timing Range	1-9999min		
Temperature Range（℃）	RT+5～60	RT+5～60	4～60(Cooling)
Temperature Accuracy（℃）	±0.1		
Temperature uniformity（℃）	±1		
Display	LCD		
Tray Included	1		
Exterior Size(W*D*H)mm	440*410*390	600*580*510	780*682*560
Package Size (W*D*H)mm	580*530*540	740*700*660	920*800*610
Net/Gross weight(kg)	31/41	72/88	100/125
Volume (W*D*H)mm	320*295*190	440*405*270	480*450*320
Power Rating	220W	320W	580W
Power Supply	AC 220～240V, 50～60Hz		

LYZ Horizontal Shaking Incubator

Features

- Integrated with incubator and shaker to save space and cost.
- High quality steel shell, polished stainless steel chamber.
- Large LCD screen to display temperature and shaking speed.
- With operation data memory function to eliminate faulty operation.
- Non-volatile memory saves settings during a power outage and automatically restarts the unit as originally programmed after power is restored.
- Auto-stop operation when door is opened. Strong air spring rod with easy opening and closing.
- Brushless DC motor, more stable and reliable.
- With UV Sterilizer
- Equipped with leakage protection.

Technical Specification

Model	LYZ-111B	LYZ-211B	LYZ-111C	LYZ-211C
Shaking Speed （rpm）	20-300			
Speed Accuracy （rpm）	±1			
Swing Amplitude （mm）	Φ26			
Standard Configuration	500ml*28		2000ml*12	
Maximum Capacity	250ml*36 or 500ml*28 or 1000ml*18		1000ml*18 or 2000ml*12 or 3000ml*8 or 5000ml*6	
Tray Size （mm）	920*510			
Timing Range	1~9999min			
Temperature Range （℃）	RT+5-60	4-60 (Cooling)	RT+5-60	4-60(Cooling)
Temperature Accuracy （℃）	±0.1			
Temperature Uniformity （℃）	±1			
Display	LCD			
Tray Included	1			
Exterior Size(W*D*H)mm	120*74*80		120*74*100	
Net Weight(kg)	160	174	168	183
Power Rating（W）	570	866	676	951
Volume W*D*H(mm)	970*565*280 (155L)		970*565*480 (265L)	
Power Supply	AC220V±10% , 50-60Hz			

Stackable Shaking Incubator

Option:

LCD touch screen is optional. It can display setting parameters for temperature, shaking speed, time and actual measured temperature, speed, remaining time on one interface for easy observation.

Features:

- Stackable up to three units for maximum space savings.
- PID microprocessor temperature controller with high accuracy.
- With timing function, freely set the culture time within 0~999.9 hours;
- With over temperature alarm function, automatic power off in abnormal condition.
- Auto-recovery after power outage or crash as originally programmed, avoiding data loss.
- Mirror stainless steel chamber, anti-corrosion and easy to clean, good appearance.
- With observation window, convenient to observe condition inside any time;
- Independent control of temperature and shaking speed for each layer or separately run different layer according to needs.
- The rocking plate can be freely pulled out, which is convenient for loading and unloading the flask
- Imported high-quality compressor, fluorine-free refrigerants, low noise and good cooling effect, ensuring long time stable operation of equipment under low temperature.
- Large LCD screen display, easy operation.
- Auto-stop operation when door is opened, safe and convenient.
- With UV sterilization function;

Technical Specification

Model	LYZ-D2403
Shaking Speed（rpm）	60~280
Speed Accuracy（rpm)	±1
Swing Amplitude（mm）	Φ28mm
Maximum Capacity	250ml*36 or 500ml*24 or 1000ml*15 or 2000ml*10
Tray Size（mm）	770*450
Timing Range	0~999(h)
Temperature Range（℃）	4~60℃ （Ambient temperature :25℃）
Temperature Accuracy （℃）	±0.1℃（Under constant temperature）
Temperature Uniformity（℃）	±1℃
Tray Included	1
Exterior Size(W*D*H)mm	1200*670*2100（mm）
Power Rating(W)	2700
Power Supply	AC220V±10%, 50∽60HZ

LDS-N Medicine Stability Testing Chamber

Features

- Dual refrigeration system.
- Imported compressor with self-developed compressor cooling system, extend service life of the compressor.
- Imported humidity sensor, ensuring high accuracy of humidity.
- PID control for temperature and humidity, more accurate, easy menu operation interface.
- Over-temperature alarm system: automatically stop working when exceeded the limit temperature and send out audible and visual alarm, ensure experiments run safely.
- Large LCD screen to display more data at same time.
- Newest multi-segment programmable control technology for temperature and humidity, high precision. With multiple programs and multiple cycles, each cycle is divided into 30 segments, each segment contains 99 hours and 99 minutes of cycle steps, it can happily meet almost all the complicated experiment process.
- Equipped with JAKEL circulation fan ,unique designed air duct for good air circulation, ensuring good temperature uniformity inside.
- Equipped with built-in stainless steel water tank at the bottom of equipment to supply water by pump for the humidification tank.
- Equipped with spare temperature control which ensures the product work normally even the main temp. control failed(for heating).
- Equipped with printer which can record and print the operating parameters at any time.
- Mirror stainless steel chamber, adjustable shelf.
- The chamber is equipped with a power socket and UV lamp for sterilization.
- Double door design. Tempered glass inner door for clear observation. The outer door adopts magnetic seal design, good sealing performance.

Safety Device

1. Over temperature protection
2. Compressor over current protection
3. Over compressing protection
4. Water shortage protection
5. Heater overheat protection
6. Audible and visual alarm system

Technical Specification

Model	LDS-175Y-N/ LDS-175T-N LDS-275Y-N / LDS-275T-N LDS-375Y-N / LDS-375T-N LDS-475Y-N / LDS-475T-N LDS-800Y-N / LDS-800T-N LDS-1075Y-N / LDS-1075T-N	LDS-175GY-N / LDS-175GT-N LDS-275GY-N / LDS-275GT-N LDS-375GY-N / LDS-375GT-N LDS-475GY-N / LDS-475GT-N LDS-800GY-N / LDS-800GT-N LDS-1075GY-N / LDS-1075GT-N	LDS-175HY-N LDS-275HY-N LDS-375HY-N LDS-475HY-N LDS-800HY-N LDS-1075HY-N
	Temperature & Humidity	Temperature & Humidity & Light	Temperature & Light
Temperature Range(℃)	0~65	Without Illumination:4~50 With Illumination:10~50	
Temperature Fluctuation	±0.5		
Temperature Uniformity (℃)	±2		
Humidity Range(RH)	30~95%		None
Humidity Stability(RH)	±3		
Temperature Resolution(℃)	0.1		
Illumination(LX)	None	0~6000 adjustable	
Illumination Difference((LX)		≤±500	
Timing Range	1~99 hours/period		
Temp. and Humidity adjusting	Balance temperature and humidity adjusting		Balance temperature adjusting
Cooling System	Imported compressor		
Controller	Y: Programmable (LCD display) T: Programmable (touch screen)	GY: Programmable (LCD display) GT: Programmable (touch screen)	HY:Programmable (LCD display)
Sensor	PT100 Capacitance sensor		PT100
Ambient Temperature	RT+5~30℃		
Power Supply	AC 220V±10% ,50HZ		
Power Rating(W)	1400/1950/2600/2800/3000/3200	1650/2200/2700/2900/3100/3300	1300/1750/2400/2600/2700/2800
Chamber Volume(L)	175,275,375,475,800,1075		
Chamber Size(W*D*H)mm	450*420*930 580*510*935 590*550*1160 700*550*1250 965*610*1370 950*700*1600		
Shelf	3		
Printer	Yes		
Safety Device	Compressor overheating and over pressure protection， Fan overheating protection, Over temperature protection, Overload protection, water shortage protection		

Vortex Mixer

Features:

- The maximum diameter of the oscillating vessel is 30mm, which can be used to oscillate test tubes and centrifuge tube, mixing effect is remarkable
- The outer shell and test tube base are made of plastic, chemical corrosion resistant and thickened base. It's more stable.
- Integrated 12V low-voltage power converter in the lighter, more portable.
- MIX-28+ can achieve adjustable speed and meet more mixed requirements.

Specification:

Model	MIX-28	MIX-28+
Shaking Orbit	4.5mm(circle)	4.5mm(circle)
Shaking Mode	Circle Shaking (Vortexing) circle	
Motor Input / Output Power	1.2 W / 0.8 W	
Shaking Speed	4000rpm	0-4000rpm
Power Supply	DC12V 1A	DC12V 1A
Power	12W	
Size	W.110XD.110XH.86mm	
Weight	1.2kg	

- Rotary knob design, handle and set conveniently in laboratory.
- Streamlined design, convenient for laboratory research, smart and exquisite, easy for storing.

Magnetic Stirrer

HS-12

This hot plate contains an integrated magnetic stirrer, ideal for use in a laboratory. The dual controls allow you to set heat output and stirring speed independently. The hot plate can reach a maximum temperature of 380℃ with an output of 180 watts. The magnetic stirrer is adjustable from 0 to 1600rpm.

A support stand with and adjustable thermometer holder is also included. The support stand extends about 10” above the hot plate’s surface.

Features:

1.Max heating temperature 380℃, heating power 180W
2.Aluminum panel for uniform temperature distribution
3.Separate safety circuits with fixed safety temperature of 380℃,automatically stops heating once exceed secure temperature
4.Strong magnetic to avoid the magnetic stirring bar escaping

Specification:

Name	Magnetic Stirrer	Magnetic Stirrer	Magnetic Stirrer
Model	HS-12A	HS-12B	HS-12
Plate Size	12*12cm	12*12cm	12*12cm
Speed(r.p.m)	/	0-1600	0-1600
Description	Heating	Stirring	Heating & Stirring
Heating Temp.	380℃	/	RT~380℃
Max Stirrer Volume	1 Liter	1 Liter	1 Liter
Notes	Aluminum Panel	Aluminum Panel	Aluminum Panel

Magnetic Stirrer

HS-17

This hot plate contains an integrated magnetic stirrer, ideal for use in a laboratory. The dual controls allow you to set heat output and stirring speed independently. The hot plate can reach a maximum temperature of 380℃ with a heating power of 500 watts. The magnetic stirrer is adjustable from 0 to 1600rpm.

A support stand with and adjustable thermometer holder is also included. The support stand extends about 10” above the hot plate’s surface.

Features:

1.Max heating temperature 380℃, heating power 500W
2.Aluminum panel for uniform temperature distribution
3.Separate safety circuits with fixed safety temperature of 380℃, automatically stops heating once exceed secure temperature
4.Strong magnetic to avoid the magnetic stirring bar escaping

Specification:

Name	Magnetic Stirrer	Magnetic Stirrer	Magnetic Stirrer
Model	HS-17A	HS-17B	HS-17
Plate Size	17*17cm	17*17cm	17*17cm
Speed(r.p.m)	/	0-1600	0-1600
Description	Heating	Stirring	Heating & Stirring
Heating Temp.	380℃	/	RT~380℃
Max Stirrer Volume	3 Liter	3 Liter	3 Liter
Notes	Aluminum Panel	Aluminum Panel	Aluminum Panel

Magnetic Stirrer

HS-19

This hot plate contains an integrated magnetic stirrer, ideal for use in a laboratory. The dual controls allow you to set heat output and stirring speed independently. The hot plate can reach a maximum temperature of 380℃. The magnetic stirrer is adjustable from 0 to 1600rpm.
A support stand with and adjustable thermometer holder is also included. The support stand extends about 10” above the hot plate’s surface.

Features:

1.Max heating temperature 380℃, heating power 600W
2.Aluminum panel with ceramic cover extremely resistant to corrosion and easy to clean heating once exceed secure temperature
3.Separat safety circuits with fixed safety temperature of 380℃, automatically stops heating once exceed secure temperature
4.Strong magnetic to avoid the magnetic stirring bar escaping

Specification:

Name	Magnetic Stirrer	Magnetic Stirrer	Magnetic Stirrer
Model	HS-19A	HS-19B	HS-19
Plate Size	19*19cm	19*19cm	19*19cm
Speed(r.p.m)	/	0-1600	0-1600
Description	Heating	Stirring	Heating & Stirring
Heating Temp.	380℃	/	RT~380℃
Max Stirrer Volume	5 Liter	5 Liter	5 Liter
Notes	Aluminum panel with ceramic cover	Aluminum panel with ceramic cover	Aluminum panel with ceramic cover

Magnetic Stirrer With Digital Display

HSC-19T

Features:

1.Digital display and constant temperature
2.Max heating temperature 380℃(Accuracy±1℃),uniform distribution
3.Aluminum panel with ceramic cover extremely resistant to corrosion and easy to clean
4.Separate safety circuits with fixed safety temperature of 380℃, automatically stops heating once exceed secure temperature
5.Stable temperature technology precise controls heating process
6.High quality of motor, maintenance free and explosion-proofed, accurately control speed
7.Strong magnetic to avoid the magnetic stirring bar escaping.

Specification:

Name	Magnetic stirrer with digital display
Type	HSC-19T
Plate Size	19*19cm
Speed(r.p.m)	0-2000
Description	Heating & Stirring
Heating Temp.	RT~380℃
Max Stirrer Volume	5 Liter
Notes	Aluminum panel with ceramic cover

Over Head Stirrer

Features:

- Complete explosion proof: Explosion - proof brushless DC motor to ensure laboratory safety.
- Safety protection: including overload protection and motor protection, overload, short circuit and abnormal speed, etc. Automatically cut off the circuit and alarm, to ensure operational safety and laboratory safety.
- Anti-sample overflow: smooth start, effectively prevent the sample overflow.
- Enclosed shell; In line with internationally accepted safety protection DIN / EN 60529 standard, high protection class IP42, closed shell to prevent liquid splash into the machined internal corrosion circuit to ensure safe operation.
- Continuous long and stable operation.

Specification:

Model	OS-40	OS-40C	OS-60C
Capacity	10L	10L	20L
Power	40W	40W	60W
Rotate Speed	100-2500rpm	100-2500rpm	100-2500rpm
Digital Display	No	Yes	Yes

LCD Electric Overhead Stirrer

Application

The overhead electronic stirrer use the numerical control touch type stepless speed governor, which is convenient to display the running speed with digital screen, which makes the machine more safe and reliable. Advanced technology, low noise, mechanical deceleration structure, small size, large output, large torque, suitable for scientific research, colleges, chemical, pharmaceutical, medical units, etc.

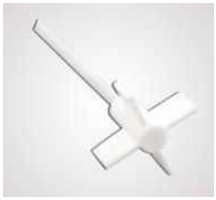
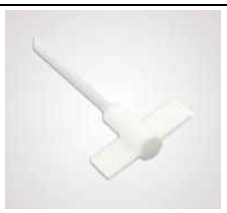
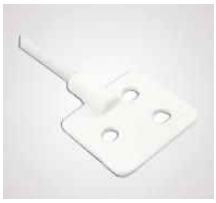
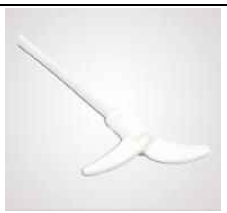
Features

- Speed range 100-2200rpm, constant speed, high and low speed accurately controllable;
- Performance: DC brushless motor, continuous and stable operation for a long time, outstanding performance;
- Safety protection: including overload protection and motor protection;
- Overload, short circuit and abnormal speed, automatically cut off the circuit and alarm to ensure safe operation;
- Prevent sample overflow: Smooth start, effectively prevent sample overflow;
- Enclosed shell: The enclosed shell prevents liquid from splashing into the internal corrosion circuit of the machine, ensuring safe operation. There is a stir bar penetration hole, and the stir bar is easy to replace. It is not necessary to move the stirring head up and down;
- Other options:RS232 connect to the PC ， record the speed and torque and other data. Use imported chucks to prevent the stir bar from loosening;
- The LCD displays the set and actual values of the speed and monitors the speed and torque in real time;
- The torque can be automatically adjusted according to the viscosity change of the sample, and the rotation speed can be finely adjusted according to the demand during the operation to facilitate the experimental operation.

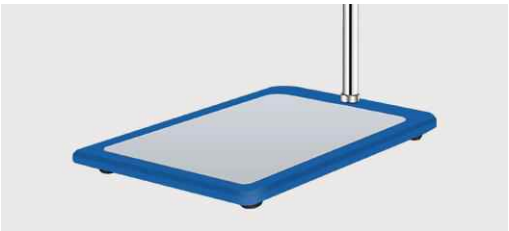
Technical Parameters

Model	RWD100	RWD50
Mixing Capacity	40L（H 2 O）	20L（H 2 O）
Rotary Speed range	30-2200rpm	30-2200rpm
Speed display	LCD	LCD
Speed resolution	±1rpm	±1rpm
Time setting function	≤9999min	≤9999min
Torque	60N.cm	40N.cm
Overload protection	Display failure, stop automatically	Display failure, stop automatically
Motor protection	Display failure, stop automatically	Display failure, stop automatically
Viscosity	50000mPas	10000mPas
Drill chuck clamping diameter range	0.5-10mm	0.5-10mm
Exterior Dimension（D*W*H）	186x83x220mm	186x83x220mm
Net weight	2.8kg	2.6kg
Protection class	IP42	IP42
Ambient Temp range	5-40℃	5-40℃
Relative Humidity range	80%	80%
RS232	Yes	Yes
Input Power	120W	60W
Output Power	100W	50W
Voltage	100-240VAC	100-240VAC
Frequency	50/60Hz	50/60Hz
Power	130W	70W

Optional Impellers

	4 blades propeller Length：400mm Diameter：50mm Material：316 stainless steel Application：Standard one, for mid-high speed		**One line propeller** Length：400mm Diameter：60mm Material：316 stainless steel Application：Low viscosity mixing, mid-high speed
	**4 blades propeller** Length：350mm Diameter：65mm Material：PTEE Application：Standard one, for mid-high speed		**One line propeller** Length：350mm Diameter：70mm Material：PTEE Application：Low viscosity mixing, mid-high speed
	Flat hole propeller Length：400mm Diameter：68mm Material：316 Stainless steel Application：gentle mixing, mid -low speed.		**Centrifugal impeller** Length：400mm Diameter：90mm Material：316 stainless steel Application：The blades are flexible ,good for small mouth round flasks Mid-high speed
	**Flat hole propeller** Length：350mm Diameter：68mm Material：PTEF Coating Application：gentle mixing ,mid low speed		**Centrifugal impeller** Length：350mm Diameter：85mm Material：PTEF Coating Application：The blades are flexible , good for small mouth round flasks Mid-high speed

Product in details

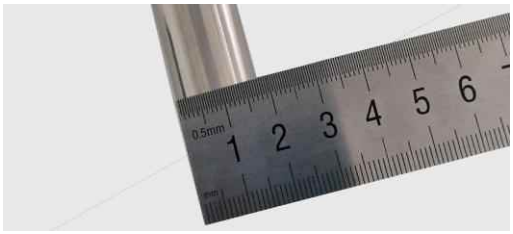


Base :

The base is about 5.829kg, with a protect Resist film

Working Panel :

Big Colorful LCD screen, show rotary speed, torque and mixing time.



316 stainless steel stander:
Diameter is 18mm. Length up to 800mm.

Through Pore:
Make it easy for changing the vessels.

Mixing propeller:
316 Made of stainless steel, it comes standard with a four-bladed mixing paddle.

Fixed frame:
Adjustable type ,strong quality with light weight.

Optional Functions:
RS232 connect to PC ,record the speed and torque data.

Power cord:
2 meters power cord ,much more useful.

Safety buckle:
Keep the motor not shopping when operating.

Chuck protective sleeve:
The protective sleeve can help the liquids ruin the chuck and safe the check lifetime.

3D Magic Programmable Mixer

Features:

- Tube holder assemble discretionary
- Large LCD show the all the parameter
- 2 additional custom programs (6 segments/program) can be created easily
- 10 different programs for rotation and mixing
- 360 rotation and 0-360 discretionary mixing angle is available
- Adjustable speed and time for effective mixing
- Cold room and incubator compatible
- Accept tubes from 0.2ml to 50ml

Specification:

Model	TM-MAGID MIXER
Adaptor	DC 12V, 1000mA
Environment Temperature	+4~65℃
Rotation Speed	1-99RPM
Relative Air Humidity (At 20℃)%	Up to 80
Volume Range	0.2ml-50ml

Model Information:

Item	Model	Specification
	TMM-5L	420mm lenth magic mixer with standard rack (D10-12.5mm tube * 2, D16-16.5mm tube * 8, D29-29.5mm tube * 2)
	LH5*36	Rack for diameter 10-12.5mm tubes*36
	LH15*22	Rack for diameter 16-16.5mm tubes*22
	LH50*12	Rack for diameter 29-29.5mm tubes*12
	LH15*12	Rack for diameter 16-16.5mm tubes*12
	LH50*12	Rack for diameter 29-29.5mm tubes*12
	TMM-PL	Mixer 420*125*168 with Platform (267*154)

Digital Roller Mixer

TRM-7S

Features:

- Rocking and rolling motions for complete mixing
- Display show the speed and time
- Speed range of 10-99rpm
- Seven roller design with small footprint and easy clean
- Digital setting speed and time

Specification:

Model	TRM-7S Digital Roller Mixer
Speed	Adjustable, 10-99rpm ±10%
Motion	simultaneous roll & tilt ±5%
Operating Temp	4-40℃
Power	80-230v, 50-60Hz 50w

Digital display, easy operation, touch and continuous operations, with comfortable button and rotary knob, handle and set conveniently.

Multiple choice for various tubes: used for complete mixing of blood, powder reagents, etc. Seven roller design with small footprint and easy clean.

Orbital Shaker

GS-20

Features:

- Speed adjustable, gentle shaking, applied in different industries.
- LED display time and speed.
- Compact and clean designed, streamlined fuselage, simple operation, convenient for cleaning.
- Timing function, beep alarm when operation ends.
- DC brushless motor, safe, long life and free of maintenance. Operating silent and stable.
- Different platforms to adapt different conical flasks and other sample containers for optional choices.
-

Specification:

Model	GS-10 Orbital Shaker	GS-20 Orbital Shaker	GS-30 Orbital Shaker
Speed Range	50-350rpm	50-300rpm	50-250rpm
Orbit	10mm	20mm	30mm
Timing Range	1min-99h59min	1min-99h59min	1min-99h59min
Max. Loading Capacity	2KG	2KG	2KG
Operating Condition Temp.	4-45℃	4-45℃	4-45℃
Dimensions	284*264**90mm	284*264**90mm	284*264**90mm
Voltage	AC100-230V	AC100-230V	AC100-230V

High speed homogenizer S10

Note ： Stand options

Application

The high-speed homogenizer is a special homogenizer. It adopts a high-speed control system of thyristor. The Hall element speed measurement adopts advanced electronic circuit, and the digital display is clear and easy to use. Mainly used for animal, plant tissue homogenate crushing, cell dispersion.

Features

- High speed, light weight, flexible moving;
- Standard 316L stainless steel dispersion head 10mm;
- Disassembled without tools, and it is quick and easy to clean;
- Easy to change the dispensing head.

Technical Specification

Model	S10
Working Voltage	AC220V-50HZ/60HZ
Motor input Power	160W
Speed range	5000-35000rpm
Speed display mode	7 Levels
Speed control model	Stepless
Capacity	5ml-250ml
Standard working head	10mm
Net weight	1Kg
Mini capacity（Water）	5ml
Max Capacity（Water）	250ml
Max viscosity	5500MPAS
Noise level	less than50DB(A)
Protect class	IP30

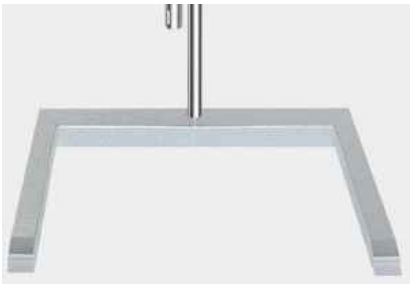
Product Details

Stepless speed regulation
Capacity 5-250ml

Height adjustable
Convenient and flexible

7 levels Adjustable equally
Divided Speed 5000-35000rpm

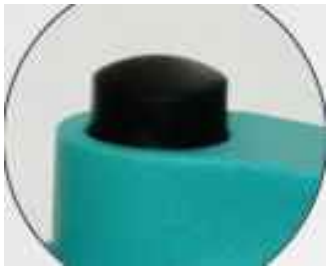
Height adjustable
Convenient and flexible



H-bracket is more stable

One-button operation

Add a non-slip film on the inside of the bracket to make the homogenizer work more stable



One-touch operation,
press to replace the cutter head

Light weight (1kg) Hand size design Flexible operation

The main components of the frame are made of high quality stainless steel, which is beautiful and durable and easy to clean.

High-Speed Dispersion Homogenizer

FJ200-SH/FJ300-SH

FJ200

Application

It is suitable for the laboratory to further homogenize the pulverized experimental materials in the liquid medium.

Features

- The drive motor is high-speed and with large output power, Safety design;
- Working head contact material parts are all made of high quality stainless steel,
- corrosion resistant;
- The working head is connected with the drive motor by a coupling, which is easy
- and flexible to disassemble;
- The speed control base use the step less speed governor, which is convenient in
- speed regulation and stable in operation.

Technical Specification

Model	High Speed Dispersion homogenizer FJ200	FJ200-SH（Digital）	FJ300-SH（Digital）
Speed range	300-23000r/nim	300-23000r/nim	300-18000r/nim
Capacity	30-1500ml	30-1500ml	100-13000ml
Input Power	280W	280W	510W
Output Power	200W	200W	300W
Exterior Dimension	250*350*600mm	250*350*600mm	250*350*600mm
Working head	Φ12 mm， Φ18mm	Φ12 mm， Φ18mm	Φ28mm， Φ36mm
Working Mode	Intermittent	Intermittent	Intermittent
Voltage	AC 220 V 50 Hz	AC 220 V 50 Hz	AC 220 V 50 Hz
Torque	83N.cm	68N.cm	68N.cm

Working Heads parameters

Heads	12G	18G	28G	36G
Capacity ml （H2O）	30-800	50-1500	100-8000	150-13000
Suitable viscosity mpa.s	1000	2000	6000	7000
Rotor line speed s/m	11	15	19	27
Immersion in liquid height	25/85mm	30/120mm	60/155mm	60/160mm
Stator diameter mm	Φ12	Φ18	Φ28	Φ36
Working head length mm	150	190	235	240
Operating temperature	120℃	120℃	120℃	120℃
Work head material	SS304	SS304	SS304	SS304
Working head bearing material	PTEE	PTEE	PTEE	PTEE

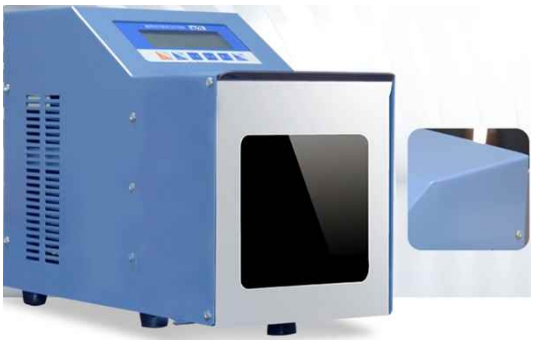
Stomacher blender

Application

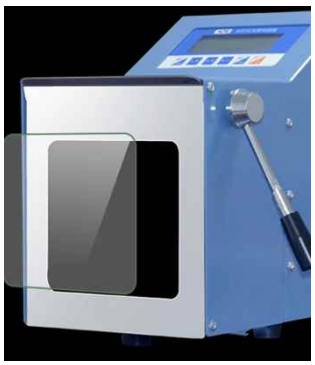
The tapping method effectively separates the microbial samples contained in the interior and surface of the solid sample, ensuring that all the samples are mixed in the aseptic bag, and the processed sample solution can be directly sampled and analyzed without the risk of cross-contamination. Stomacher blender application areas; food microbial analysis; animal tissue. Biological samples, homogenization of cosmetics; meat, fish, vegetables, fruits, biscuits; microbial analysis.

Features

- Large screen LCD display for easy operation and storage of multiple sets of work programs;
- Intelligent control, homogenization speed, time control;
- Glass transparent for easy viewing, fully open door, easy to clean;
- The sample is not in contact with the homogenizer. If there is no sample leakage, no system cleaning is required;
- The sample is non-polluting, no damage, no heating, no need for sterilization, no need to wash the utensils;
- Strong power of soundproof .



Strong power of sound proof



Safety Door, Mirror Stainless

Intelligent Control
The machine operates on its own when starting.

LCD Screen
Micro PID controller Button Operation

Disinfection, built-in disinfection lamp
Homogenization process can disinfect samples and improve work efficiency.

Product details

Surface protruding
The protruding starting point on the strike plate makes the homogenization better. Thickening and longer service life.

Detachable door handle
304 stainless steel is built with longer service life.

Distance adjustment of striking plate
Ensure that the slap plate is effectively squeezed to the sample and adjust the distance of the strike plate by knob.

Multi field security protection
3 hole national standard safety power line, safety pipe.

Heat dissipating hole
The radiator installed on the 3 sides of the fuselage to ensure that the machine does not heat easily for a long time.

Sterile bags 50pcs

Technical Specification

Model	HX-4	HX-4M	HX-4GM
Control Method +Parameter Storage	Microcomputer control + 12 segment combination	Microcomputer control + 3 segment combination	Microcomputer control + 3 segment combination
Temp. Control Range	NO	NO	RT-60C
Disinfection Function	NO	Disinfection wavelength 253.7nm	Disinfection wavelength 253.7nm
Machine Weight	20kg	20kg	22kg
Display	LCD		
Panting Time	0.1-99 min 59 sec/continuous working		
Panting Speed	3~12 times/second		
Heating Function	/		
Volume	3-400mL		
Sterile Bag Size	17x30cm		
Cabinet Material	Stainless steel +anti-corrosion coating		
Panting Spacing	0~55 mm (Adjustable)		
Start Mode	soft start		
Pause Function	YES		
Power Supply	220V/200W		
Anti-Pinch Function	Automatic stop, anti-pinch		
Other Functions	Load and unload window +toughened glass door		
Overall Dimension	420x230x330mm		

Portable Ultrasonic Homogenizer

Application

Ultrasonic Homogenizer is a kind of multi-functional and multi-purpose instrument which uses strong ultrasound to produce cavitation effect in liquid and to deal with substances. It can be used to break up many kinds of animal and plant cells and virus cells. It can also be used for emulsification, separation, extraction, defoaming, degassing, cleaning and accelerating chemical reactions.
The instrument with LCD Screen, with automatic and manual (use foot) working modes, ultrasonic time, power stability, sample temperature detection display, frequency automatic tracking and other functions, suitable for small volume samples.

Features

It can be used for 96-hole enzyme labeling and countless small tube arrangement, hand-held ultrasonic device to control ultrasound, so that countless samples in a short time to complete ultrasonic treatment.

Technical Specification

Model	UP-250	UP-400
Frequency range	2.5-250WContinous adjustable	4-400WContinous adjustable
Mixing capacity	0.1-150ml（With optional probe）	0.1-300ML(With optional probe)
Optional probe	Φ2、3、5、6（mm）	Φ2、3、5、6、8（mm）
Ultrasonic setting time	0.1-99.9S	
Single stop time	1-99H59M59S	
Frequency range	20-30KHz	
Temp control range	0-100C（Can be customized）	
Alarm Functions	Time, temp, overload ,no-load ,over tem	
Probe(standard)	Φ3 or Φ5（mm）	Φ5 or Φ6（mm）
Display Mode	Touch screen	
Data storage	20sets	
Power(optional110V)	220V/110V/ 50Hz/60HZ	
Exterior Dimension	410*225*290（mm）	
Optional function	Computer + data printing function+ soundproof cabinet Lighting and sterilization	
Control Mode	Single chip microcomputer + TFT touch control	
Voice alarm and prompt function	Yes	

Laboratory Ultrasonic Homogenizer

Application

Ultrasonic Homogenizer is a kind of multi-functional and multi-purpose instrument which uses strong ultrasound to produce cavitation effect in liquid and to deal with substances. It can be used to break up many kinds of animal and plant cells and virus cells. It can also be used for emulsification, separation, extraction, defoaming, degassing, cleaning and accelerating chemical reactions.

- Data storage function: 20sets datas , making records convenient
- Big LCD Screen: Touch screen working panel ,make the experiments more effective
- Intelligent control: Central computer is used to control the total working time centrally. Time set: 1-99.9min, Power adjustable
- Strong sound insulation: Effective isolation of 70% noise
- Safety protection: Intelligent control, multiple safety design ,ensuring experiments safety
- Streamlined appearance design: High quality metal material ,keep long lifetime.
- Liftable Operating table: Liftable Operating table set in the sound proof box
- Multiple cooling holes: There are many cooling holes in the fuselage design to ensure the normal operation of the instrument
- Complete functions: The host back with fuse, temp probe horn and power switch Easy to use and control the instruments

Application Area

It is widely used in teaching of research and production in the fields of biochemistry, microbiology, medicinal chemistry, surface chemistry, physics, zoology, agronomy, and pharmaceuticals.

Features

- Single-chip technology + 4.3-inch TFT capacitive touch screen (optional 7-inch), optional computer communication or data printing;
- PID control, ultrasonic time, power can be set from 1% to 100%;
- Sample temperature detection ,frequency automatically tracking, and the fault is automatically alarmed;
- With overload protection function and the horn does not invade the liquid,it will automatically protect the horn from damage;
- Voice alarm if fault, over temperature or operation error.

Models for Small Volume

Model	JY96-IIN	JY88-IIN	JY92-IIN	JY92-IIDN
Power	1.5-150W Continuous	2.5-250W Continuous	10-650W Continuous	10-900W Continuous
Mixing capacity	0.1-150ml (with optional probe)	0.1-300ml (with optional probe)	0.1-500ml (with optional probe)	0.1-600ml (with optional probe)
Optional probe	Φ2、3、8(mm)	Φ2、3、8、10(mm)	Φ2、3、10、12(mm)	Φ2、3、10、12、15(mm)
Ultrasonic setting time	0.1-99.9S			
Single stop time	0.1-99.9S			
Total time setting	1-99H59M59S			
Frequency range	20-25KHz			
Temp control range	0-100C(Can be customized）			
Alarm Functions	Time, temp, overload ,no-load			Time, temp, overload ,no-load , over temp
Probe(standard)	Φ6(mm)			
Display Mode	Display Mode			
Data storage	20sets			
Power(optional110V)	220V/110V/ 50Hz/60HZ			
Exterior Dimension	410*225*290（mm）			
Optional function	Computer + data printing function+ soundproof cabinet Lighting and sterilization			
Control Mode	Single chip microcomputer + TFT touch control			
Voice alarm and prompt function	Yes			

Models for Large Volume

Model	HX-IID	JY98-IIIDN	JY99-IIDN
Power	10-1000W Continuous	20-1200W Continuous	50-1800W Continuous
Mixing capacity	0.1-750ml (with optional probe)	1-1000ml (with optional probe)	1-1200ml (with optional probe)
Optional probe	Φ2、3、8、10、12、15(mm)	Φ3、6、10、15、22、25（mm）	Φ3、6、10、15、20、25、28（mm）
Ultrasonic setting time	0.1-99.9S		
Single stop time	0.1-99.9S		
Total time setting	1-99H59M59S		
Frequency range	19.5-20.5KHz		
Temp control range	0-100C（Can be customized）		
Alarm Functions	Time, temp, overload ,no-load ,over temp		
Probe(standard)	Φ6(mm)	Φ20(mm)	Φ22(mm)
Display Mode	Touch screen		
Data storage	20sets		
Power(optional110V)	220V/110V/ 50Hz/60HZ		
Exterior Dimension	410*225*290（mm）		
Optional function	Computer + data printing function+ soundproof cabinet Lighting and sterilization		
Control Mode	Single chip microcomputer + TFT touch control		
Voice alarm and prompt function	Yes		

Industrial Ultrasonic Homogenizer

Features

- Overload protection:

Overload protection function and the horn will not work when it is turned on without invading the liquid, thus protecting the horn from damage;

- High purity titanium alloy:

High purity titanium alloy horn can be continuously realized for one hour or more without damaging the horn;

- Integrated injection molding design:

With integral injection design, streamlined shape;

- Alcoa 7075:

The metal part is made of Alcoa 7075, which takes longer time and is safe to damage.

Application

The industrial ultrasonic Homogenizer is a new equipment developed by our company on the basis of laboratory use to adapt to the preparation of nano-materials and strengthen ultrasonic cleaning, bacterial treatment, used in factory pilot test and so on.

Technical Specification

Model	HX-3000W
Power	1000-3000W Continuous
Mixing capacity	500-5000ML(with different probe)
Optional probe	Φ20、35、38、40(can be longer)、50（mm）
Ultrasonic setting time	0.1-99.9S
Sigle stop time	0.1-99.9S
Total time setting	1-99H59M59S
Frequency range	19.5-20.5KHz
Time range	0-100C（Can be customized）
Alarm Function	Time, temp, overload ,no-load,Over temp
Optional probe	Φ40（mm）
Display Mode	Touch screen
Data storage	20sets
Power（Optional110V)	220V/110V/ 50Hz/60HZ
Exterior Dimension	510*225*290（mm）
Optional Functions	Computer + data printing function+ soundproof cabinet Lighting and sterilization
Control Mode	Single chip microcomputer + TFT touch control
Controlling mode	Yes

Optional accessories

High purity titanium alloy material ,Anti corrosive probes

Optional Probes Reference

Tip Model	Power Range	Crushing Capacity	Frequency(KHZ)
Φ2	No higher than 1000W	0.2-5ml	1-35%
Φ3		3-10ml	1-45%
Φ6		10-100ml	1-60%
Φ8		20-200ml	1-70%
Φ10		30-300ml	10-90%
Φ12		50-500ml	20-95%
Φ10		30-300ml	1-70%
Φ15	Above 1200W	100-600ml	1-80%
Φ20		100-1000ml	10-90%
Φ22		200-1000ml	20-95%
Φ25		500-1500ml	40-95%

PHB-4 pH Meter

PHB-4 pH Meter is widely used in environmental protection, education scientific research, pharmaceutical and chemical industry, water industry, food safety testing and other fields of pH measurement.

Features

PHB-4 is a low-cost option that combines simplicity with accuracy--making it great for every day pH measurement

Technical Specification

Model		PHB-4
Parameters		pH, ORP
Range	pH	(0.00～14.00) pH
	mV	(-1400～1400) mV
Resolution	pH	0.01 pH
	mV	1 mV
Accuracy	pH	±0.03pH
	mV	±0.2%FS
Calibration		Up to 2 points
Temperature compensation		Manual
Power Supply		Two AA batteries
Dimension (mm)& Weight (kg)		300*290*140; 1.5
Standard Configuration		Two-in-one pH electrode pH buffer Battery(2pcs)
Optional Accessories		ORP probe Filling solution of electrode Stirrer Electrode holder Field carrying case

PHS-2F pH Meter

Features

- LCD display
- Simple calibration with 2-point automatically or manual pH buffer recognition
- Versatile-- use with any pH, ORP with BNC connector

PHS-2F pH Meter adopts the newly designed shape, large screen LCD segment code LCD, the display is clear and beautiful. It is suitable for the determination of pH value and potential (mV) value of aqueous solution by sampling from laboratories of colleges and universities, research institutes, industrial and mining enterprises.

Technical Specification

Model		PHS-2F
Parameters		pH, ORP
Range	pH	(0.00～14.00) pH
	mV	(-1400～1400) mV
	Temperature	/
Resolution	pH	0.01pH
	mV	1mV
	Temp.	/
Accuracy	pH	±0.01pH
	mV	±0.1%FS
	Temperature	/
Calibration		Up to 2 points
Temperature compensation		Manual
Power Supply		AC (220±22) V,(50±1) Hz Or AC (110±11) V,(60±1) Hz
Dimension (mm)& Weight (kg)		350*280*190; 2.5
Standard Configuration		Two-in-one pH electrode pH buffer
Optional Accessories		ORP probe PH glass probe Reference electrode Filling solution of electrode Stirrer and Electrode holder

PHS-3C pH Meter

Features

- LCD display
- Simple calibration with 2-point automatically or manual pH buffer recognition
- Versatile-- use with any pH, ORP with BNC connector

PHS-3C pH Meter adopts the newly designed shape, large LCD segment code liquid crystal, the display is clear, beautiful, with automatic standard buffer solution identification function, has the ability to identify 4.00pH, 6.86pH, 9.18pH and other three standard buffer solution, convenient for users to use.

Technical Specification

Model		PHS-3C
Parameters		pH, ORP
Range	pH	(0.00～14.00) pH
	mV	(-1999～1999) mV
	Temperature	/
Resolution	pH	0.01pH
	mV	1mV
	Temp.	/
Accuracy	pH	±0.01pH
	mV	±0.1%FS
	Temperature	/
Calibration		Up to 2 points
Temperature compensation		Manual
Power Supply		AC (220±22) V,(50±1) Hz Or AC (110±11) V,(60±1) Hz
Dimension (mm)& Weight (kg)		350*280*190; 2.5
Standard Configuration		Two-in-one pH electrode pH buffer
Optional Accessories		ORP probe PH glass probe Reference electrode Filling solution of electrode Stirrer and Electrode holder

PHS-3E pH Meter

PHS-3E pH Meter is a commonly used laboratory precision pH meter, the instrument is suitable for colleges and universities, research institutes, industrial and mining enterprises laboratory sampling to determine the pH value of aqueous solution and potential (mV) value.

Features

- LCD display
- Simple calibration with 2-point automatically or manual pH buffer recognition
- Versatile-- use with any pH, ORP with BNC connector

Technical Specification

Model		PHS-3E
Parameters		pH, ORP, Temp.
Range	pH	(0.00～14.00) pH
	mV	(-1999～1999) mV
	Temperature	(0.0～99.9)℃
Resolution	pH	0.01pH
	mV	1mV
	Temp.	0.1℃
Accuracy	pH	±0.01pH
	mV	±0.1%FS
	Temperature	±0.3℃
Calibration		Up to 2 points
Temperature compensation		Automatic or manual
Power Supply		AC (220±22) V,(50±1) Hz Or AC (110±11) V,(60±1) Hz
Dimension (mm)& Weight (kg)		350*280*190; 2.5
Standard Configuration		Three-in-one pH electrode pH buffer
Optional Accessories		ORP probe PH glass probe Reference electrode Filling solution of electrode Stirrer and Electrode holder

PHSJ-3F pH Meter

PHSJ-3F pH Meter adopts new material PC panel, lightly touches digital key, reliable and durable, supports automatic temperature compensation, automatic identification of 5 buffer solutions, and supports 1-3 point calibration.

Features

- LCD display
- Simple calibration with 5-point(PXSJ-216F) or 3-point(PHSJ-3F) automatically pH buffer recognition for DIN,NIST and GB of 23 buffers or custom buffer sets
- Due alarm lets you know when re-calibration is necessary for measurement accuracy
- Data is easily exported to a computer via USB port. Store up to 500 data sets in the meter's memory for retrieval later
- Versatile-- use with any pH,ORP,or ISE electrodes with BNC connector
- Automatic temperature compensation(ATC) maintains reading accuracy even with fluctuating temperature
- Meter meets GLP requirements

Technical Specification

Model		PHSJ-3F
Parameters		pH, ORP, Temp.
Range	pH/pX	(-2.00～20.00) pH
	mV	(-1999～1999)mV
	Ion Concentration	/
	Temperature	(-5.0～135.0) ℃
Resolution	pH/pX	0.01pH
	mV	1mV
	Ion Concentration	/
	Temperature	0.1℃
Accuracy	pH/pX	±0.01pH
	mV	±0.1%FS
	Ion Concentration	/
	Temperature	±0.3℃
Temperature compensation		Automatic or manual
Power Supply		100-240V , 50/60Hz
Dimension (mm)& Weight (kg)		370*305*330; 5
Standard Configuration		Three-in-one pH electrode pH buffer
Optional Accessories		ORP probe / PH glass probe Reference electrode /Filling solution of electrode Stirrer / Electrode holder

DDB-303A Conductivity Meter

DDB-303A conductivity meter is a laboratory instrument to measure the conductivity of aqueous solution. It is widely used in petrochemical, biological medicine, sewage treatment, environmental monitoring, mining smelting and other industries and colleges and universities and scientific research units. It can also be used to measure the conductivity of pure or ultra-pure water in electronic semiconductors, nuclear power industry and power plants with appropriate constant conductance electrodes.

DDB-303A is a low-cost option that combines simplicity with accuracy--making it great for every day conductivity measurement.

Technical Specification

Model	DDB-303A
Parameter	Conductivity
Range	0.00μS/cm～100mS/cm
Accuracy	±1.0%FS
Calibration	1 point
Temp. Compensation	Manu (15～35)℃
Cell constant (K)	Select from K = 0.01,0.1,1.0 or 10
Power Supply	Two AA batteries
Dimension (mm)& Weight (kg)	300*290*140; 1.5
Standard Configuration	DJS-1C Platinum black conductivity electrode AA batteries（2pcs）
Optional Accessories	Standard solution K=0.01,1.0(bright).0.1 or 10 conductive probe Electrode holder Stirrer Field carrying case

DDS-307 conductivity meter

DDS-307 conductivity meter is a necessary instrument for laboratory measurement of the conductivity of aqueous solution. The instrument adopts the newly designed shape, large-screen LCD segment code liquid crystal, and the display is clear and beautiful. The instrument is widely used in petrochemical, biological medicine, sewage treatment, environmental monitoring, mining and smelting industries and colleges and research institutions. The conductivity of pure or ultra-pure water in electronic semiconductors, nuclear power industry and power plants can be measured with appropriate constant conductance electrodes.

Technical Specification

Model		DDS-307
Parameters		Conductivity
Range	Conductivity	0.00μS/cm～100mS/cm
	TDS	/
	Temperature	/
Basic Error	Conductivity	±1.0%FS
	TDS	/
	Temperature	/
Calibration		1 point
Cell constant(K)		Select from K = 0.01,0.1,1.0 or 10
Temp. Compensation		Manu (0.0～99.9)℃
Power supply		AC (220±22) V,(50±1) Hz
Dimension (mm)& Weight (kg)		350*280*190; 2.5
Standard Configuration		DJS-1C Platinum black conductivity electrode(K=1); Electrode holder
Optional Accessories		Standard solution; K=0.01,1.0(bright).0.1 or 10; conductive probe; Stirrer

DDS-307A conductivity meter

DDS-307A conductivity meter is a necessary instrument for laboratory measurement of conductivity of aqueous solution. The instrument adopts the newly designed shape, large-screen LCD segment code liquid crystal, and the display is clear and beautiful. Instruments are widely used in petrochemical, biological medicine, sewage treatment, environmental monitoring, mining and smelting industries and colleges and research institutions. The conductivity of pure or ultra-pure water in electronic semiconductors, nuclear power industry and power plants can be measured with appropriate constant conductance electrodes.

Technical Specification

Model		DDS-307A
Parameters		Conductivity, TDS, Temp
Range	Conductivity	0.00μS/cm～100mS/cm
	TDS	(0.000～1999) mg/L
	Temperature	(0.0～99.9) ℃
Basic Error	Conductivity	±1.0%FS
	TDS	±1.0%FS
	Temperature	±0.3℃
Calibration		1 point
Cell constant(K)		Select from K = 0.01,0.1,1.0 or 10
Temp. Compensation		Manu & Auto (0.0～99.9) ℃
Power supply		AC (220±22) V,(50±1) Hz
Dimension (mm)& Weight (kg)		350*280*190; 2.5
Standard Configuration		DJS-1C Platinum black conductivity electrode(K=1); T-818-B-6 ATC probe; Electrode holder
Optional Accessories		Standard solution; K=0.01,1.0(bright).0.1 or 10 ; conductive probe; Stirrer

DDSJ-308F conductivity meter

DDSJ-308F conductivity meter is mainly used for measuring conductivity, total solid solubility (TDS), salinity value, resistivity, temperature value.

Features

- LCD display
- Get the best resolution—auto ranging feature 0-199.9ms with 3-point automatically standard solution recognition and calibration
- Data is easily exported to a computer via USB port. Store up to 1500 data sets in the meter's memory for retrieval later
- Versatile-- Use one Conductive probe to test conductivity range 0-199.9ms/cm
- Automatic temperature compensation(ATC) maintains reading accuracy even with fluctuating temperature
- Meter meets GLP requirements

Technical Specification

Model		DDSJ-308F
Parameters		Conductivity, Resistivity, TDS, Salinity, Temp.
Range	Conductivity	0.000μS/cm～199.9mS/cm
	Resistivity	5.00Ω·cm～20.00MΩ·cm
	TDS	0.000mg/L～1000g/L
	Salinity	(0.00～8.00） %
	Temperature	(-5.0～110.0) ℃
Accuracy	Conductivity	±0.5%FS
	Resistivity	±0.5%FS
	TDS	±0.5%FS
	Salinity	±0.1%
	Temperature	±0.2℃
Calibration		Up to 3 points
Cell constant(K)		Select from K = 0.01,0.1,1.0 or 10
Temp. Compensation		Auto & Manu (-5.0～110.0) ℃
Power Supply		100-240V, 50/60Hz 0.5A
Dimension (mm)& Weight (kg)		370*305*330 ; 5
Standard Configuration		DJS-1D Platinum black conductivity electrode T-818-B-6 ATC probe Electrode holder
Optional Accessories		Standard solution K=0.01,1.0(bright).0.1 or 10 conductive probe Stirrer

JPSJ-605F Dissolved Oxygen Meters

Features

- LCD display
- JPSJ-605F measure dissolved oxygen in mg/L or % saturation with simultaneous
- Data is easily exported to a computer via USB port. Store up to 500 data sets in the meter's memory for retrieval later
- Versatile-- Use one DO probe to test DO,% saturation, DO electric current and temperature
- Automatic temperature compensation(ATC) maintains reading accuracy even with fluctuating temperature
- Meter meets GLP requirements

JPSJ-605F Dissolved Oxygen Meters is mainly used for water source monitoring, aquaculture farms, environmental protection, sewage treatment plants, beverage industry and scientific research units and other departments to determine the dissolved oxygen content or concentration of water.

Technical Specification

Model		JPSJ-605F
Parameters		DO, DO Saturation, Temp
Range	DO	(0.00～20.00) mg/L
	DO Saturation	(0.0～300.0) %
	Temperature	(-5.0～110.0) ℃
Resolution	DO	0.01mg/L
	DO Saturation	0.1%
	Temp.	0.1℃
Accuracy	DO	±0.10mg/L
	DO Saturation	±2.0%
	Temperature	±0.2℃
Calibration		Zero and full calibration
Temp. Compensation		Auto/ Manu (-5.0～110.0) ℃
Barometric Pressure		Manu (60.0～110.0) Kpa
Salinity Compensation		Manu (0.0～40.0) g/L
Power Supply		100-240V, 50/60Hz 0.5A
Dimension (mm)& Weight (kg)		370*305*330; 5
Standard Configuration		DO-958-S DO probe with electrolyte and membrane kit Electrode holder
Optional Accessories		Calibration solution Electrode cable(up to 6m) Stirrer

PXSJ-216F Ion meter

Features

- LCD display
- Simple calibration with 5-point(PXSJ-216F) or 3-point(PHSJ-3F) automatically pH buffer recognition for DIN,NIST and GB of 23 buffers or custom buffer sets
- Due alarm lets you know when re-calibration is necessary for measurement accuracy
- Data is easily exported to a computer via USB port. Store up to 500 data sets in the meter's memory for retrieval later
- Versatile-- use with any pH, ORP, or ISE electrodes with BNC connector
- Automatic temperature compensation(ATC) maintains reading accuracy even with fluctuating temperature
- Meter meets GLP requirements

Technical Specification

Model		PXSJ-216F
Parameters		pH, ORP,Temp., Ion Concentration
Range	pH/pX	(-2.000～20.000)pH (0.000～14.000)pX
	mV	(-1999.9～1999.9)mV
	Ion Concentration	(0～19990); Unit: pX, mol/L, mmol/L, g/L, mg/L, μg/L
	Temperature	(-5.0～110.0) ℃
Resolution	pH/pX	0.001pH/pX
	mV	0.1mV
	Ion Concentration	4 significant figures (scientific notation)
	Temperature	0.1℃
Accuracy	pH/pX	±0.002pH/pX
	mV	±0.03％FS
	Ion Concentration	±0.5%
	Temperature	±0.2℃
Temperature compensation		Automatic or manual
Power Supply		100-240V , 50/60Hz
Dimension (mm)& Weight (kg)		370*305*330; 5
Standard Configuration		PF-2-01Flouide ISE 232-01 Reference Electrode T-818-B-6 ATC Probe Stirrer
Optional Accessories		ORP probe / PH glass probe / Reference electrode / Filling solution of electrode / Ca+, Ag+, Na+, K+, NH^{4+}, Cl^-, F^-,$NO3^-$,$BF4^-$,CN^-,Cu^{2+},Pb^{2+},Ca^{2+} ISE probe / Electrode holder

Karl Fischer Moisture Analyzer ZDY-502

ZDY-502 type constant moisture titrator is equipped with a leakproof liquid device and a waste liquid bottle anti-suction device. Full automatic liquid injection, liquid discharge, KF reagent mixing and automatic cleaning function, anti-titration cup solution overflow protection function; Prevent users from direct contact with KF reagents to ensure the safety of measuring and using staff and the environment.

Features

- The system is ideal for use in the food, pharmaceutical, agricultural and petroleum industries
- Automatically titrates to your endpoint with easy digital control
- The end point is detected by the use of sensing electrodes which measure the moisture change in the liquid and solid
- Ensure the accuracy of your measurements with precise burettes and sensors
- Everything you need in one meter for Pre-titration, Auto-titration, Manual titration, Constant titration, KF volumetric titrations
- Titrator displays results in %, mg, mg/L, and ppm of water
- The KF reagent is depend on different sample. KF solution do not need be calibrated
- Data is easily exported to a printer or PC via USB port & RS 232 port or be view, deleted in the meter

Technical Specification

Model	ZDY-502
Range	0.1mg～250mg
Resolution	0.1mg
Accuracy of Polarization Current	1μA±0.2μA; 50μA±10μA;
Repeatability of Titration Analysis	±0.5%
Power Supply	(220±22) V, (50±1) Hz
Dimension (mm)& Weight (kg)	540*490*480; 10
Standard Configuration	10mL Burette, Solid cup measuring device Anti-diffusion capillary
Optional Accessories	Anti-diffusion capillary; Printer

Potential Titrator ZD-2

ZD-2 potential titrator is suitable for many kinds of potentiometric titration, widely used in scientific research, teaching, chemical industry, environmental protection and many other fields.

Features

- The system is ideal for use in the food, pharmaceutical, agricultural, and petroleum industries
- Manual titrates to your endpoint with easy digital control
- Everything you need in one meter for Manual titration, Constant PH potential titration, etc
- Automatic add liquid and judge end-point of titration

Technical Specification

Model Specification	ZD-2
Parameters	mV (ORP); pH
Range	(0～±1400) mV, (0～14.00) pH
Resolution	1mV, 0.01pH
Basic error	pH: ±0.03pH mV: ±5mV
Stability	±0.01pH /3h
Power supply	AC(220±22) V;(50±1) Hz
Dimension (mm)& Weight (kg)	490*410*300; 5
Standard configuration	217-01 Reference electrode 213-01 Platinum electrode 216-01 Silver electrode Two-in-one combination pH electrode Stirrer
Optional accessories	ISE probe

Automatic Potential Titrator ZDJ-4B

Burette -valve integration, replacement is more convenient

ZDJ-4B automatic titrator is a laboratory analytical instrument with high analytical accuracy. It is mainly used for chemical analysis of various components in various industries such as colleges and universities, scientific research institutions, petrochemical industry, pharmacy, pharmaceutical inspection and metallurgy.

Features

- The system is ideal for use in the food, pharmaceutical, agricultural, and petroleum industries
- Automatically titrates to your endpoint with easy digital control and curve
- Ensure the accuracy of your measurements with precise burettes and sensors
- Everything you need in one meter for Pre-titration, Black titration, Pre-endpoint titration, Manual titration, Constant titration, etc or set titrating mode by customer
- Titration method: Acid/acidity, Redox, Precipitation, Complexometry, Non-aqueous titrations
- Use the auto titrator with any combination pH electrode to do pH measurement
- Data is easily exported to a printer or PC via USB port & RS232 port or be view, deleted in the meter. Store up to 200 data sets in the meter's memory for retrieval later
- Meter meets GLP requirements

Technical Specification

Model Specification			ZDJ-4B
Titration Device	Volumetric Titration Unit	Repeatability of titration analysis	0.2%
		Allowable error of titration capacity	10ml Burette: ±0.025ml; 20ml Burette: ±0.035ml
		Resolution of burette	10ml Burette: 1/10000; 20ml Burette: 2/10000
		Speed of infusion	(55±10) s (When the burette is full scale)
Measurement Device	Potential Titration	Range	(-1800.0～1800.0) mV (0.00～14.00) pH
		Resolution	0.1mV, 0.01pH
		Basic error	pH: ±0.01pH mV: ±0.03%FS
		Stability	(±0.3mV±1bit) /3h
	Temp. Compensation	Range	(-5.0～105.0) ℃
		Resolution	0.1℃
		Basic error	±0.3℃
Power Supply			AC(220±22)V; (50±1) Hz
Dimension (mm)& Weight (kg)			540*490*480; 13
Standard Configuration			10mL Valve-burette, 213-01 Platinum electrode, 216-01 Silver electrode, 231-01 pH electrode, 232-01 Reference electrode, 217-01 Reference electrode, T-818-B-6 ATC probe pH buffer
Optional Accessories			20mL Valve-Burette; Auxiliary titration unit Anti-diffusion capillary Upper stirrer ISE probe; Printer

Automatic Potential Titrator ZDJ-5B

ZDJ-5B supports potentiometric titration. 7 "color touch screen, navigation operation, make titration detection simple and convenient. It can support two sets of burette road (including one set of built-in burette road and one set of optional external burette road), which is more convenient for users who need to change the titrant frequently. Direct connection of automatic sampler is supported to realize automatic measurement of batch samples, which can meet customers' requirements for batch detection.

Features

- The system is ideal for use in the food, pharmaceutical, agricultural and petroleum industries
- Automatically titrates to your endpoint with easy digital control and curve
- Very Easy to use -- function guide display walks you through operation
- Ensure the accuracy of your measurements with precise burettes and sensors
- Everything you need in one meter for Pre-titration, Black titration, Pre-endpoint titration, Manual titration, Constant titration, etc or set titrating mode by customer
- Titration method: Acid/acidity, Redox, Precipitation, Complexometry, Non-aqueous titrations
- Data is easily exported to a printer or PC via USB port & RS 232 port or be view, deleted in the meter. Store up to 200 data sets in the meter’s memory for retrieval later
- Meter meets GLP requirements

Technical Specification

Model Specification			ZDJ-5B Series
Titration Device	Volumetric Titration Unit	Repeatability of titration analysis	0.20%
		Allowable error of titration capacity	10ml Burette: ±0.025ml; 20ml Burette : ±0.035ml
		Resolution of burette	10ml Burette : 1/20000; 20ml Burette : 1/10000
		Resolution of drive	1/30000
		Speed of infusion	(55±10) s (When the burette is full scale)

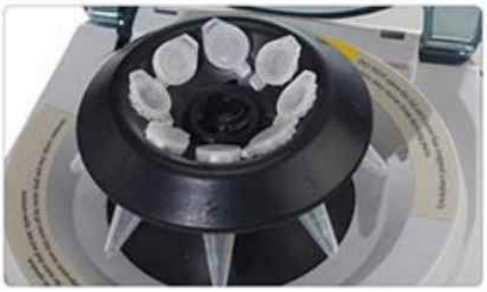
Measurement Device	Potential Titration (ZDJ-5B)	Range	(-1999.0～1999.0) mV, (0.00～14.00) pH
		Resolution	0.1mV, 0.01pH
		Basic error	pH: ±0.01pH mV: ±0.03%FS
		Stability	(±0.3mV±1bit) /3h
	Conductivity Titration (ZDJ-5B-D)	Range	(0～1.999×10^5) μS/cm
		Basic error	≤±1.0% (F.S)
	Photometric Titration (ZDJ-5B-G)	Range	50～1500mV
		Stability	±10mV/15min
	Dead-stop Titration (ZDJ-5B-Y)	Polarization voltage	100mV, 50mV, 30mV
		Error of polarization voltage	±10mV
		Polarization current range	(0～199.9)μA, (0～19.99)μA, (0～1.999)μA,(0～0.199)μA
		Error of polarization current	±2.5% FS
	Temperature Titration (ZDJ-5B-T)	Range	(0～60) ℃
		Repeatability error	0.001℃
	Temp. Compensation	Range	(-5.0～105.0) ℃
		Resolution	0.1℃
		Basic error	±0.3℃
Power Supply			AC (220±22) V; (50±1) Hz
Dimension (mm)& Weight (kg)			540*490*480; 13
Standard Configuration			10mL Valve-Burette, 213-01 Platinum electrode, 216-01 Silver electrode, 231-01 pH electrode, 232-01 Reference electrode, 217-01 Reference electrode, T-818-B-6 ATC probe, DJS-1C Bright conductivity electrode (ZDJ-5B-D&ZDJ-5B-Y), T-828 ATC Probe(ZDJ-5B-T) pH buffer
Optional Accessories			20mL Valve-Burette; Auxiliary titration unit Photometric electrode (620nm, 570nm,520nm for ZDJ-5B-G); Anti-diffusion capillary Upper stirrer ISE probe; Printer

Mini Handheld Centrifuge

Meteor Series

Features:

1.Super low working noise: use the patented special motor, less than 47dB, not exceeding 49dB
2.Low vibration: well designed shock absorber with very lower vibration.
3.Small size, large capacity: The capacity is large than other coequal product, the largest capacity can be 2ml*8
4. Convenient in replacing the rotor: well designed for replacing the rotor without any tools.
5.Large centrifugal force: The Max RCF can be 3200G
6.Stop quickly: two ways for stopping, Free stop no than 15 seconds, the cover braking time only should be 3 seconds
7.Spatial-ratation for 360 arc shape: without any corner. Low wind age resistance, with slow temperature increase.
8. Have the filtration and voltage regulation function: make the centrifuge smooth running, small rotation rate deference.



Specification:

Model		Meteor 4K	Meteor 7.2K	Meteor 4K-7.2K	Meteor 10K
Speed(±5)		4000rpm	7200rpm	4000 / 7200rpm	10000rpm
RFC		810xg	3260xg	810 / 3260xg	6652xg
Power		AC85V~264V50/60HZ			
Material	Cover Main	PC (UL94V-0)			
	Frame	ABS (UL94V-0)			
	Absorber	NBR			
	Rotor	ABS (UL94V-0)			
	Adapter	PP (UL94V-0)			
Speed Control		Automatic/Constant speed			
Driving System		Direct Drive/Vibration			
Brake Sysrem		Dynamic Braking			
Acceleration Time		Attain the 90% rated speed within 5 seconds			
Deceleration Time		The cover closed: within 15 seconds The cover opened: within 6 seconds			

Accessories:

	Angle Rotor With 0.5ml & 0.2ml adapter	0.2ml*8 tube 0.5ml*8 tube 1.5ml*8 tube 2ml*8 tube
	PCD Rotor	0.2ml*8tube 0.2ml*8 tube strip *2 rows

L420/L500/L600 Tabletop

Low-speed Automatic Balance Centrifuges

The simple and generous designed centrifuges are developed by the engineers with years of experiences to meet the demand of clinical medicine. Novel and unique swing rotors of stainless steel is equipped with stainless steel brackets with diversified capacity for easy operation and convenient replacement.

Features

●Microprocessor control and DC brushless motor.
●Touch panel and LCD display.
●Automatic calculation of RCF value.
●Unique shock absorber and automatic balance.
● Electronic door lock system to ensure safe operation, e.g. prevent door from opening during rotor running, reluctant to start if the door is not properly closed and the automatic stop if abnormal phenomenal occurs.
● Diversified stainless steel racks available for free choice.
●Up to 20 programs can be saved.
●Instantaneous function available for quick centrifugation.
●User friendly design with soft-touch door-closure.

Technical Parameters

Model	L420	L500	L600
Order No	0205186000	0205211000	0205213000
Max. Speed	4200rpm	5000rpm	6000rpm
Max. RCF	2760xg	4030xg	5120xg
Max. Capacity	12x20ml	16x15ml	16x15ml
Speed accuracy	±30rpm	±30rpm	±30rpm
Time rang	1min~99min	1min~99min	1min~99min
Noise	≤65dB(A)	≤65dB(A)	≤65dB(A)

Power supply	AC220±22V 50/60Hz 5A	AC220±22V 50/60Hz 5A	AC220±22V 50/60Hz 5A
Power consumption	250W	250W	250W
Dimensions(WxDxH)	370x432x250(mm)	370x432x250(mm)	370x432x250(mm)
Packing size(WxDxH)	435x580x312(mm)	435x580x312(mm)	435x580x312(mm)
Net weight	14kg	15kg	15kg

Rotors optional for L420

<table>
<tr>
<td rowspan="2"> </td>
<td> </td>
<td>Order No 0301808400
Speed:4000rpm
RCF:2200xg
Capacity: 18x10ml
Adapter:0304808409 (7ml)</td>
</tr>
<tr>
<td> </td>
<td>Order No 0301808500
Speed:4000rpm
RCF:2200xg
Capacity: 12x20ml
Adapter:0304808512
(Blood collecting tube)</td>
</tr>
</table>

<table>
<tr>
<td>
0302854700
Speed:4200rpm
RCF: 2760xg
Capacity:4X50ml</td>
<td>
Bracket</td>
<td>Order No.
0303854720
Rotor Capacity:
4x50ml
Adapter:
0304891103
(15ml conical)</td>
<td colspan="2">Adapters can be customized</td>
</tr>
<tr>
<td>
0302854800
Speed:4200rpm
RCF: 2760xg
Capacity:12X15ml</td>
<td>
Bracket</td>
<td>Order No.0303854820
Rotor Capacity:12x15ml
Adapter:
0304854806(1.5ml conical)
0304853532 (5ml)
0304853531(7ml)</td>
<td>
Bracket</td>
<td>Order No.0303854830
Rotor Capacity:
12x2x5ml
Adapter:
0304854807(1.5ml)
0304854813(0.5ml)</td>
</tr>
</table>

 0302854900 **Speed**:4200rpm **RCF:** 2760xg **Capacity**: 8x10ml/16x5ml	 **Bracket**	**Order No:**0303854920 **Rotor Capacity:**8x10ml	 **Bracket**	**Order No:**0303854930 **Rotor Capacity:** 8x2x5ml

Rotors optional for L500

	0301808350 **Speed**:5000rpm **RCF:** 4030xg **Capacity**: 24x10ml **Adapter:** 0304808308 (1.5ml)				
		Order No: 0307855201 **Speed**:4200rpm **RCF:**2760xg	**Order No:** 0303855210 **Capacity:**4x50ml **Adapter:** 0304891103 C15ml conical)	**Order No:** 0303855220 **Capacity:**4x4x15ml **Adapter:** 0304854806 (1.5ml) 0304854808 (5ml)	**Order No:** 0303855230 **Capacity:**4x6x50ml **Adapter:** 03048854807(1.5ml) 03048854813(0.5ml)

Rotors optional for L600

	0301808700 **Speed**: 6000rpm **RCF:** 5120xg **Capacity**: 12x15ml				
		Order No: 0307855201 **Speed**: 4200rpm **RCF:** 2760xg	**Order No:** 0303855210 **Capacity:**4x50ml **Adapter:** 0304891103 (15ml conical)	**Order No:** 0303855220 **Capacity:**4x4x15ml **Adapter:** 0304854806 (1.5ml) 0304854808 (5ml)	**Order No:** 0303855230 **Capacity:**4x50ml **Adapter:** 03048854807(1.5ml) 03048854813(0.5ml)

L550 Tabletop

Low-speed Large Capacity Centrifuge

The centrifuge is compact and decent-designed for the clinical medicine and cell culture labs etc. Various rotors, buckets and adapters are available for convenient operation.

Technical Parameters

Model	L550
Order No.	0205184000
Max. speed	5500rpm
Max. RCF	5310xg
Max. capacity	4x500ml
Speed accuracy	±10rpm
Time range	1min to 99min59s
Noise	<65dB(A)
Power supply	AC220V±22V 50/60Hz 10A
Power consumption	750W
Dimensions (W x D x H)	470x560x380mm
Package Size (W x D x H)	547x727x422mm
Net weight	50kg

Rotor Optional

		Adapter	**Order No:** 0304891093 **Max. Cap.:** 4x250ml (Conical)	**Adapter**	**Order No:** 0304891094 **Max. Cap.:** 4x7x15ml (Conical)
Order No.:0302857800 **Max. Speed** :4000rpm **Max. RCF:** 3310xg **Cap**: 4x 500ml(conical)	**Order No.:** 0303891023 **Bucket** 4x 500ml(conical)	**Adapter**	**Order No:** 0304891096 **Max. Cap.:** 4x4x50ml (Conical)	**Adapters can be customized**	

No.1 Angle rotor	**No.3**	
Order No.: 0301808710 **Max. Speed** :5500rpm **Max. RCF**: 5310xg **Capacity**: 12 x 15ml	**Order No.**: 0302853860 **Max. Speed** :4000rpm **Max. RCF**: 2200xg	**Order No**.: 0303853810 **Microplate Bucket** 2 x 2 x 96 places

No.4 **Order No**.: 0302853590 **Max. Speed**: 5000rpm **Max. RCF**: 4390xg **Max. Capacity**: 4x100ml	**Order** No.:0303853580 **Capacity**:4x100ml	**Adapter**: 0304891064 **Capacity:** 4x50ml	**Adapter**: 0304891127 **Capacity:** 4x15ml conical
		Adapter: 0304891126 **Capacity:**4x50mlconical	**Adaptor**: 0304853510 **Capacity:**4x3x5mlVacuum
		Adapter: 0304891125 **Capacity:**4x30ml	**Adaptor**: 0304853511 **Capacity:**4x2x10ml
		Adapter: 0304853507	**Adaptor**: 0304853512 4x4 hematocrit tube

		Capacity:4x20ml	
		Adapter: 0304891128 **Capacity:**4x15ml	**Adaptor:** 0304853533 **Capacity:** 4x2x1.5ml

No.5 **Swing Rotor** **Speed:** 4200rpm **RCF:** 3100xg **Capacity:** 4x200ml	 **Bucket** **Order No.** 0303853545 **Capacity:** 4x2x100ml	**Adapter:** 0304891064 (4x2x50ml) 0304891127 (4x2x15ml conical) 0305891126 (4x2x50ml conical) 0304853510 （4x6x5ml Vacuum） 0305891125 (4x2x30ml)	0304853511 (4x4x10ml) 0304853507 (4x2x20ml) 0304853512 (4x8 hematocrit) 0304891128 (4x2x15ml) 0304853533 (4x4x1.5ml)
	 Order No. 0303853560 **Capacity:** 4x8x15ml	**Adapter:** 0304853530(10ml) 0304853531(7ml) 0304853532(5ml)	Adapters can be customized
	Bucket **Order No:** 0303853540 **Capacity:** 4x2x50ml	**Bracket** **Order No:** 030389009 **Adapter:** 4x16x5ml/7ml	**Bracket** **Order No:** 0303891010 **Adapter:** 4x12x5ml/7m

Rotor	**Cup**	**Adapter**	**Capacity（ml）**	**Place**	**Diameter mm**	**Depth** (mm)	**Order No**
No.2 **Swing Rotor Order No.** 0302850110	 **Test Cup**		300	4	**Φ**63	100	0304891142
			100	4	Φ38.5	107	0304891087
				8	Φ38.5	95	0304891009
			50	12	**Φ**29.5	72	0304891082
				16	**Φ**29.5	80	0304891007

Speed: 4000rpm **RCF:** 3040xg **Capacity:** 4x500ml	0303891022 **Capacity:** 4x500ml		50 (conical)	16	Φ29.5	75	0304891008
			20	28	Φ21	72	0304851485
			15	36	Φ17	72	0304891083
			5	76	Φ14	72	0304851450
				80	Φ14	72	0304891010
			250	4	Φ63	95	0304891041
			50 Conical	16	Φ29.5	76	0304891075
				24	Φ29.5	76	0304891014
			50	16	Φ29.5	76	0304891107
				24	Φ29.5	74	0304891013
	Carrier 0303851421		15 Conical	40	Φ17	76	0304891074
				68	Φ17	76	0304891011
			15	40	Φ17	76	0304891104
			10	80	Φ16.5	76	0304891077
			5	112	Φ13.5	76	0304891081
			1.5	100	Φ11.2	76	0304891079
		Order No.0303851495 **Capacity:**4x2x96ml Elisa plate					
		Order No.0303891011 **Capacity:**4x24x7/5ml					

TD5A-WS Tabletop Low-speed Centrifuge

TD5A-WS is a time-honored classic centrifuge, all steel housing and easy mode of operation shows the consistent quality, offering the rotor capacity up to 4x5000rpm, accommodating with multiple buckets and tube adapters

Features

◆Multiple rotors， buckets and adapters are available for wide applications.

◆Microprocessor control, AC inverter motor with high torque without carbon powder emission.

◆Offers 9 Acc profiles and 10 Dec profiles preventing the sample from emulsion or turbid.

◆Accommodates the protection measures against over-speed or improper operation, including the function of fault automatic diagnosis, door lid self locking and stainless steel centrifuge chamber with double protection jackets etc. greatly improve the safety of centrifuge.

◆Programmable operation and the routine programs can be saved.

◆Speed ,time and RCF can be freely set.

Technical Parameters

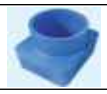
Model	TD5A-WS
Order No	0205178000
Max.Speed	5000rpm
Max.RCF	4390xg
Max.capacity	4x500ml

Speed accuracy	±10rpm
Time rang	1min to 99min
Noise	<65dB(A)
Power supply	AC220V±22V 50/60Hz 10A
Power consumption	750W
Dimensions (WxDxH)	450x545x380mm
Packing size (WxDxH)	547x427x432mm
Net weight	45kg

Rotor optional

<table>
<tr>
<td>
No.1</td>
<td>Order No. 0301808710
Max. Speed: 5000rpm
Max.RCF: 3500xg
Rotor capacity: 12x15ml</td>
</tr>
<tr>
<td>
No.3
Order No. 0302853860
Max. Speed: 4000rpm
Max.RCF: 2200xg</td>
<td>
0303853810
Micro-plate bucket
2x2x96holes</td>
</tr>
</table>

Rotor	Cup	Adapter	Capacity （ml）	Place	Diameter mm	Depth (mm)	Order No
No.2	 **Test Cup**		300	4	**Φ**63	100	0304891142
			100	4	Φ38.5	107	0304891087
				8	Φ38.5	95	0304891009
			50	12	**Φ**29.5	72	0304891082
				16	**Φ**29.5	80	0304891007

<table>
<tr><td rowspan="13">
Swing Rotor
Order No.
0302850110
Speed:
4000rpm
RCF:
3040xg
Capacity:
4x500ml</td><td rowspan="5">0303891022
Capacity:
4x500ml</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td> </td><td>50 (conical)</td><td>16</td><td>Φ29.5</td><td>75</td><td>0304891008</td></tr>
<tr><td> </td><td>20</td><td>28</td><td>Φ21</td><td>72</td><td>0304851485</td></tr>
<tr><td> </td><td>15</td><td>36</td><td>Φ17</td><td>72</td><td>0304891083</td></tr>
<tr><td rowspan="2"> </td><td rowspan="2">5</td><td>76</td><td>Φ14</td><td>72</td><td>0304851450</td></tr>
<tr><td>80</td><td>Φ14</td><td>72</td><td>0304891010</td></tr>
<tr><td rowspan="12">
Carrier
0303851421
Capacity:
4x500ml</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>  </td><td>250</td><td>4</td><td>Φ63</td><td>95</td><td>0304891041</td></tr>
<tr><td rowspan="2"> </td><td rowspan="2">50 Conical</td><td>16</td><td>Φ29.5</td><td>76</td><td>0304891075</td></tr>
<tr><td>24</td><td>Φ29.5</td><td>76</td><td>0304891014</td></tr>
<tr><td rowspan="2"> </td><td rowspan="2">50</td><td>16</td><td>Φ29.5</td><td>76</td><td>0304891107</td></tr>
<tr><td>24</td><td>Φ29.5</td><td>74</td><td>0304891013</td></tr>
<tr><td rowspan="2"> </td><td rowspan="2">15 Conical</td><td>40</td><td>Φ17</td><td>76</td><td>0304891074</td></tr>
<tr><td>68</td><td>Φ17</td><td>76</td><td>0304891011</td></tr>
<tr><td> </td><td>15</td><td>40</td><td>Φ17</td><td>76</td><td>0304891104</td></tr>
<tr><td> </td><td>10</td><td>80</td><td>Φ16.5</td><td>76</td><td>0304891077</td></tr>
<tr><td> </td><td>5</td><td>112</td><td>Φ13.5</td><td>76</td><td>0304891081</td></tr>
<tr><td> </td><td>1.5</td><td>100</td><td>Φ11.2</td><td>76</td><td>0304891079</td></tr>
<tr><td> </td><td colspan="6">Order No.0303851495 Capacity:4x2x96 places Elisa plate</td></tr>
<tr><td> </td><td colspan="6">Order No.0303891011 Capacity:4x24x7/5ml Bucket</td></tr>
</table>

<table>
<tr>
<td rowspan="5">
No.4
Order No.: 0302853590
Max. Speed: 5000rpm
Max. RCF: 4390xg
Max. Capacity: 4x100ml</td>
<td rowspan="5">
Order No.:0303853850
Capacity:4x100ml</td>
<td>Adapter:
0304891064
Capacity: 4x50ml</td>
<td>Adapter: 0304891127
Capacity: 4x15ml conical</td>
</tr>
<tr>
<td>Adapter:
0304891126
Capacity:4x50mlconical</td>
<td>Adaptor: 0304853510
Capacity:4x3x5ml
vacuum</td>
</tr>
<tr>
<td>Adapter:
0304891125
Capacity:4x30ml</td>
<td>Adaptor: 0304853511
Capacity:4x2x10ml</td>
</tr>
<tr>
<td>Adapter:
0304853507
Capacity:4x20ml</td>
<td>Adaptor: 0304853512
4x4 hematocrit tube</td>
</tr>
<tr>
<td>Adapter:
0304891128
Capacity:4x15ml</td>
<td>Adaptor: 0304853533
Capacity: 4x2x1.5ml</td>
</tr>
</table>

<table>
<tr>
<td rowspan="4">No.5

Swing Rotor
0302853590
Speed:
4200rpm
RCF:
3100xg</td>
<td>
Bucket
Order No. 0303853545
Capacity: 4x2x100ml</td>
<td>Adapter:
0304891064 (4x2x50ml)
0304891127 (4x2x15ml conical)
0305891126 (4x2x50ml conical)
0304853510 （4x6x5ml Vacuum）
0305891125 (4x2x30ml)</td>
<td>
0304853511 (4x4x10ml)
0304853507 (4x2x20ml)
0304853512 (4x8 hematocrit)
0304891128 (4x2x15ml)
0304853533 (4x4x1.5ml)</td>
</tr>
<tr>
<td>
Order No. 0303853560
Capacity: 4x8x15ml</td>
<td>Adapter:
0304853530(10ml)
0304853531(7ml)
0304853532(5ml)</td>
<td>Adapters can be customized</td>
</tr>
<tr>
<td> </td>
<td> </td>
<td> </td>
</tr>
<tr>
<td>Bucket
Order No: 0303853540
Capacity: 4x2x50ml</td>
<td>Bracket
Order No: 030389009
Adapter: 4x16x5ml/7ml</td>
<td>Bracket
Order No: 0303891010
Adapter: 4x12x5ml/7m</td>
</tr>
</table>

L530R Tabletop

Low-speed Refrigerated Centrifuge

L530R Tabletop Centrifuge, featuring decent design, multiple protections, stainless steel chamber and environment-friendly compressor, is widely used in clinic medicine, genetic biology and cytology with its high performance and high quality. Various rotors, buckets and adapters are available for free choice.

Features

- Environment-friendly compressor offers ideal cooling effect without pollution.
- Microprocessor control, DC brushless motor with high torque,and maintenance free.
- RCF value can be calculated and set automatically.
- Available with various racks, buckets and adapters for multiple purpose applications.
- Under programmable operation and multiple routine programs can be saved.
- Offering 9 acceleration profiles and 10 deceleration profiles to prevent the sample from secondary emulsion or turbid.
- Accommodating several safety protection against over-speed or overheat operation, including electronic door interlock for safe operation.

Technical Parameters

Model	L530R	Temp accuracy	±1℃
Order No.	0204141000	Compressor set	Environment-friendly with (R134a)refrigerant
Max. speed	5300rpm	Noise	<65dB(A)
Max. RCF	5010xg	Power supply	AC220V±22V 50/60Hz 10A
Max. capacity	4x250ml	Power consumption	1200W
Speed accuracy	±30rpm	Dimensions (W x D x H)	470x730x380mm
Time Range	1min to 99min	Package size (W x D x H)	547x960x422mm
Temp Range	-20℃~40℃	Net weight	70kg

Rotor Optional

No.3 **Order No**.: 0302853800 **Max. Speed** :4000rpm **Max. RCF**: 2200xg **Max. Capacity:** 2 x 2 x 96 places	 **Order No**.: 0303853810 Micro-plate Bucket **Capacity:**2 x 2 x 96 places

Rotor Optional

 No.1 **Order No.**: 0307853591 **Max. Speed**: 5300rpm **Max. RCF**: 5010xg **Max. Capacity**: 4x100ml	 **Order No:** 0303853580 **Capacity:** 4x100ml	**Adaptor: 0304891064**	**Capacity** 4x50ml	**Adaptor: 0304891127**	**Capacity** 4x15ml(conical)
		Adaptor: 0304891126	4x50ml (conical)	**Adaptor: 0304853510**	4x3x5ml vacuum tube
		Adaptor: 0304891125	4x30ml	**Adaptor: 0304853511**	4x2x10ml
		Adaptor: 0304853507	4x20ml	**Adaptor: 0304853512**	4x4 hematocrit tube
		Adaptor: 0304891128	4x15ml	**Adaptor: 0304853533**	4x2x1.5ml

 No.2 **Order No:** 0307853591 **Max. Speed**: 4500rpm **Max. RC**F: 3560xg **Capacity**:4x200ml	 **Order No:** 0303853540 **Bracket** 4x2x100ml	 **Order No:**0303853585 4x8x15ml **Adaptor:** 0304853530(10ml) 0304853531(7ml) 0304853532(5ml)	 030389009 **Bucket** 4x16x5ml/7ml	 0303891010 **Bucket** 4x12x5ml/7ml
 Order No:0303853517 **Bracket** 4x2x50ml	**Adaptor** 0304891064(4x2x50ml) 030491126(4x2x50ml conical) 0304891125(4x2x30ml) 0304853507(4x2x20ml) 0304891128(4x2x15ml)		0304853512 (4x8ml hematocrit tube) 0304891127(4x15ml conical) 0304853533(4x4x1.5ml) 0304853511(4x4x10ml) 0304853510(3x5ml Vacuum)	

Rotor	Cup	Adapter	Capacity (ml)	Place	Diameter (mm)	Depth (mm)	Order No.
No.4 **Order No:** 0302853600 **Speed:** 4500rpm **RCF:** 4080xg **Capacity** 4x250ml	 **Order No:** 0303891028 **Capacity** 4x250ml		100	4	Φ38	107	0304897098
			50	4	Φ29.5	97	0304891095
			50 (conical)	4	Φ29.5	97	0304891109
			20	16	Φ21	98	0304891101
			15 (conical)	16	Φ17.5	98	0304891108
			15	24	Φ17.5	98	0304891106
			10	28	/	/	0304853604
			5	40	/	/	0304853605
			1.5	32	Φ11.2	37	0304891124
	 Order No: 0303853615 **Capacity** 4x250ml		250	4	Φ63	76	0304891113
			50 (conical)	16	Φ29.5	77.5	0304891121
			15 (conical)	28	Φ17	77.8	0304891117
			10	36	Φ16.5	77	0304891122
			5ml	36	Φ14mm	60mm	0304891196

H1650 Table-top High Speed Centrifuge

Max. Speed up to 16500rpm with the rotor capacity of 24x1.5ml, compact-designed with small footprint and light-weighted, the centrifuge offers safe operation and efficient sample separation, supporting multiple rotors and adapters for free choice and diversified demands.

Technical Parameters

Model	H1650	Noise	≦65dB（A）
Order No.	0203165000	Power supply	AC220V 50/60Hz 5A
Max. Speed	16500rpm	Wattage	400w
Max. RCF	26054xg	Dimensions (WxDxH)	325x420x325mm
Max. Capacity	6x50ml	Package Size (WxDxH)	385x640x330mm
Speed accuracy	±30rpm	Net weight	20kg
Time range	1min to 99min		

No.1 Angle rotor	**Capacity:** 24x1.5/2.0ml **Speed**: 16500rpm **RCF**:26054xg	**Diameter:** Φ11.2mm **Depth:**38mm **Order No.** 0301805510	**No. 6 Angle rotor**	**Capacity:** 30x1.5/2.0ml **Speed**:14000rpm **RCF**:22150xg	**Diameter:** Φ11.2mm **Depth:**36mm **Order No.** 030180600
No.7 Angle rotor	**Capacity:** 48x1.5ml/2.0ml **Speed**:13000rpm **RCF**:18525xg	**Diameter:** Φ11.2mm **Depth:**38mm **Order No.** 0301891087			

Adapter		
Capacity	0.2ml	0.5ml
Place	24/30/48/24	24/30/48/24
Diameter	Φ6.6mm	Φ8mm
Depth	20mm	27.5mm
Order No.	0304805005	0304805004

No.8 Angle rotor	**Capacity:** 6x8x0.2 PCR **Speed**: 13000 rpm **RCF**: 18251xg	**Diameter:** Φ6 mm **Depth:** 16mm **Order No.** 0301810600

No.2 Angle Rotor	**Capacity:** 12x5/ml **Speed**:15000rpm **RCF**:15845xg	**Diameter:** Φ14mm **Depth:**49mm **Order No.** 0301891100	**No.3 Angle Rotor**	**Capacity:** 12x10ml **Speed**: 13000rpm **RCF**:17320xg	**Diameter:**Φ16.5mm **Depth:** 76mm **Order No.** 0301805300

Adapter				
Capacity	0.5ml	1.5ml	5ml	1.5ml
Place	12	12	12	12
Diameter	Φ8mm	Φ11.2mm	Φ11.2mm	Φ14mm
Depth	27.5mm	37mm	36mm	49mm
Order No.	0304806103	0304806104	0304891111	0304805307

No.4 Angle Rotor	**Capacity:** 6x50/ml **Speed**: 11000rpm **RCF**: 12840xg			**Diameter:** Φ29.5mm **Depth:** 96.5mm **Order No.** 0301805400		

Adapter							
Capacity	1.5ml	5ml	10ml	15ml	20ml	25ml	30ml
Place	6	6	6	6	6	6	6
Diameter	Φ11.2mm	Φ14mm	Φ16.5mm	Φ16.5mm	Φ21.5mm	Φ22.5mm	Φ26mm
Depth	36mm	49mm	76mm	100.5mm	90mm	95mm	86mm
Order No.	0304805410	0304891086	0304891085	0304891144	0304805406	0304805412	0304891084

No.5 Angle rotor	**Capacity:** 6x30ml **Speed**:13500rpm **RCF**:18720xg	**Diameter:** Φ26mm **Depth:** 87.5mm **Order No.** 0301805200

Adapter		
Capacity	5ml	10ml
Place	6	6
Diameter	Φ14mm	Φ16.5mm
Depth	49mm	76mm
Order No.	0304805206	0304891147

H1650-W Tabletop High Speed Micro Centrifuge

Technical Parameters

Model	H1650-W	Noise	≦67dB（A）
Order No.	0203167000	Power supply	AC220V 50/60Hz 3A
Max.speed	16500rpm	Power consumption	250W
Max.RCF	18360xg	Dimensions (WxDxH)	265x335x220mm
Max.capacity	12x5ml	Package Size (WxDxH)	322x452x268mm
Speed accuracy	±30rpm	Net weight	11kg
Time range	1min to 99min		

Rotor Optional

No.1	No.2	No.3	No.4
Order No：0301809100 **Speed:** 16500rpm **RCF:** 18360xg **Capacity**：12x1.5ml **Adapter**: 0304805005(0.2ml) 0304805004(0.5ml)	**Order No**：0301810500 **Speed:** 16500rpm **RCF:** 18360xg **Capacity**：18x0.5ml	**Order No**：0301809200 **Speed:** 12000rpm **RCF:** 10142xg **Capacity**：12x5ml **Adapter**: 0304806104(1.5ml) 0304806103(0.5ml)	**Order No**：0301856300 **Speed**: 13000rpm **RCF**: 16170xg **Capacity**：24x1.5ml **Adapter:** 0304805004(0.5ml) 0304805005(0.2ml)
No.5	No.6	No.7	
Order No：0301809400 **Speed:** 15000rpm **RCF**: 13800xg **Capacity** ： 3x8x0.2ml PCR	**Order No**：0301856400 **Speed**: 12000rpm **RCF**: 14800xg **Capacity**：12pcs capillary	**Order No**：0301856300 **Speed:** 12000rpm **RCF:** 14800xg **Capacity:** 24 pcs capillary	

H1850 Tabletop High Speed Centrifuge

Up to 10 rotors and multiple adapters are available for choice, furthermore the rotor capacity of 6x50ml(round/conical) offers broad applications.

It offers high speed (18500rpm) as well as high capacity (4x100ml) for multiple centrifugation applications. The unique airflow guidance keeps the sample at an ideal temperature status, and the unique vibration damping system help reduce noise remarkably (below 60dB(A).

Technical Parameters:

Model	H1850
Order No.	0203249000
Max.speed	18500rpm
Max.RCF	23797xg
Max.capacity	4x100ml
Speed accuracy	±10rpm
Time range	1min to 99min59s
Noise	≦60dB（A）
Power Supply	AC220V 50/60Hz 10A
Power consumption	750w
Dimensions (WxDxH)	420x530x370mm
Package size (WxDxH)	487x762x422mm
Net Weight	48kg

Features

◆Microcomputer control, direct drive by AC inverter motor with high starting torque.
◆10 types of rotors available for free choice.
◆Large LCD, and speed, time, RCF and acceleration/deceleration rates can be set freely.
◆9 acceleration as well as 10 deceleration curves(0 is for free stop) are provided, including 3-stage damping to ensure best centrifugal effect.
◆It offers triple protections against over-speed, door lid open during running, including stainless steel chamber etc. to ensure safety for the operator and the centrifuge.
◆Automatic recognition of rotor code to prevent over-speed running.
◆The centrifuge can be under programmable operation and save 25 programs.

Rotor Optional

No.1 Angle Rotor	**Capacity:** 12x1.5/2.2ml **Speed**: 18500rpm **RCF**:23797xg	**Diameter:** Φ11.2mm **Depth:**38mm **Order No.** 0301805020	**No.7 Angle Rotor**	**Capacity:24**x1.5/2.2ml **Speed**:15000rpm **RCF**:21532xg **Diameter:** Φ11.2mm **Depth:**38mm **Order No.**0301891066

Adapter		
Capacity	0.2ml	0.5ml
Place	12/24	12/24
Diameter	Φ6.6mm	Φ8mm
Depth	20mm	27.5mm
Order No.	0304805005	0304805004

No.2 Angle Rotor	**Capacity:** 8x15/ml conical **Speed**:12000rpm **RCF**:13200xg	**Diameter:** Φ17mm **Depth:102**mm **Order No.** 0301806220	**No.3 Angle Rotor**	**Capacity:** 12x10ml **Speed**: 12500rpm **RCF**:16060xg	**Diameter:** Φ16.5mm **Depth:**76mm **Order No.** 0301805310

Adapter			
Capacity	5ml	1.5ml	5ml
Place	8	12	12

Diameter	Φ14mm	Φ11.2mm	Φ14mm
Depth	49mm	36mm	49mm
Order No.	0304891115	0304805307	0304891111

No.4 Angle Rotor	**Capacity:** 6x50/ml **Speed**: 11000rpm **RCF**: 12850xg			**Diameter:** Φ29.5mm **Depth:** 96.5mm **Order No.** 0301805420		
Adapter							
Capacity	1.5ml	5ml	10ml	15ml	20ml	25ml	30ml
Place	6	6	6	6	6	6	6
Diameter	Φ11.2mm	Φ14mm	Φ16.5mm	Φ16.5mm	Φ21.5mm	Φ22.5mm	Φ26mm
Depth	36mm	49mm	76mm	100.5mm	90mm	95mm	86mm
Order No.	0304805410	0304891086	0304891085	0304891144	0304805406	0304805412	0304891084

No.9 Angle Rotor	**Capacity:** 4x100/ml **Speed**: 10000rpm **RCF**: 10744xg			**Diameter:** Φ38.5mm **Depth:** 109mm **Order No.** 0301805710		
Adapter							
Capacity	5ml	10ml	15ml	15ml conical	25ml	50ml	50ml conical
Place	12	4	4	4	4	4	4
Diameter	Φ14mm	Φ16.5mm	Φ16.5mm	Φ17mm	Φ22.5mm	Φ29.5mm	Φ29.5mm
Depth	49mm	76mm	101mm	103.5mm	95mm	103mm	103.5mm
Order No.	0304891078	0304891080	0304891056	0304891054	0304805608	0304891064	0304891070

No.4 Angle Rotor	**Capacity:** 6x500ml conical **Speed**:11000rpm **RCF**:12850xg	**Diameter:** Φ29.5mm **Depth:**103mm **Order No.** 0301805930	**No.10 Angle Rotor**	**Capacity:** 12x5ml **Speed**: 16000rpm **RCF**:18090xg	**Diameter:** Φ14mm **Depth:**49mm **Order No:** 0301806110

Adapter			
Capacity	15ml conical	0.5ml	1.5ml
Place	6	12	12
Diameter	Φ16.8mm	Φ8mm	Φ11.2mm
Depth	104mm	27.5mm	37mm
Order No.	0304891143	0304806103	0304806104

No:8 Angle rotor	**Capacity:** 48x0.5ml **Speed**: 13000rpm **RCF**: 16410xg	**Diameter:** Φ8mm **Depth**: 28mm **Order No.** 0301807010

No.5	**Test cup**	**Adapter:** 0304891114 (50ml conical) 0304891116 (50ml l) 0304891118 (15ml conical) 0304891119 (15ml l) 0304852409 (3x10ml blood collection tube)	**No.6**	
Order No: 0302852440 **Speed**:5000rpm **RCF**:3773xg **Capacity**: 4x100ml	**Order No:** 0303891029 **Capacity:** 4x100ml		**Order No:** 0302852310 **Speed**:4000rpm **RCF**:2200xg **Capacity**: 2x2x96 places	**Order No:** 0303852351 **Capacity:** 2x2x96 places

TG16-WS Tabletop High Speed Centrifuge

TG16-WS is one of popular centrifuges in the market for its high performance and stable operation. It is well received by the customers for its 6x50ml angle rotor.

Technical Parameters:

Model	TG16-WS	**Noise**	<62dB(A)
Order No.	0203158000	**Power Supply**	AC220V±22V 50/60Hz 10A
Max.speed	16000rpm	**Power Consumption**	400W
Max.RCF	21532xg	**Dimensions(WxDxH)**	330x390x300(mm)
Max.Capacity	6x50ml	**Package size (WxDxH)**	395x650x340(mm)
Speed Accuracy	±30rpm	**Net Weight**	25Kg
Time Range	1min to 99min		

Rotor Optional

No.1 Angle Rotor	**Capacity:** 12x1.5ml **Speed**:16000rpm **RCF**:17800xg	**Diameter:** Φ11.2mm **Depth:**38mm **Order No.** 0301805030	**No.4 Angle Rotor**	**Capacity:**24x1.5/2.2ml **Speed**: 15000rpm **RCF**: 21532xg **Diameter:** Φ11.2mm **Depth:**38mm **Order No.**0301805510

Adapter		
Capacity	0.2ml	0.5ml
Place	12	24
Diameter	Φ6.6mm	Φ8mm
Depth	20mm	27.5mm
Order No.	0304805005	0304805004

No:5 Angle	**Capacity:** 48x0.5ml **Speed:** 13000rpm **RCF:**12810xg	**Diameter:** Φ8mm **Depth:** 49mm **Order No.** 0301806100	**No:6 Angle**	**Capacity:** 12x8x0.2PCR **Speed:** 13000rpm **RCF:**18510xg	**Diameter:** Φ6mm **Depth:** **16**mm **Order No.** 0301805800

No.2 Angle Rotor	**Capacity:** 12x5/ml **Speed**:13000rpm **RCF**:11903xg	**Diameter:** Φ14mm **Depth:**49mm **Order No.** 0301891100	**No.3 Angle Rotor**	**Capacity:** 12x10ml **Speed**: 12000rpm **RCF**:14800xg	**Diameter:**Φ16.5mm **Depth:** 76mm **Order No.** 0301805300

Adapter				
Capacity	0.5ml	1.5ml	5ml	1.5ml
Place	12	12	12	12
Diameter	Φ8mm	Φ11.2mm	Φ11.2mm	Φ14mm
Depth	27.5mm	37mm	36mm	49mm
Order No.	0304806103	0304806104	0304891111	0304805307

No.3 Angle rotor	**Capacity: 6**x30ml **Speed**:13500rpm **RCF**:18720xg	**Diameter:** Φ26mm **Depth:** **87.5**mm **Order No.** 0301805200

Adapter		
Capacity	5ml	10ml
Place	6	6
Diameter	Φ14mm	Φ16.5mm
Depth	49mm	76mm
Order No.	0304805206	0304891147

No.7 Angle rotor

Capacity: 6x50ml **Diameter:** Φ29.5mm
Speed: 11000rpm **Depth:** 96.5mm
RCF: 12840xg **Order No.** 0301805400

Adapter							
Capacity	1.5ml	5ml	10ml	15ml	20ml	25ml	30ml
Place	6	6	6	6	6	6	6
Diameter	Φ11.2mm	Φ14mm	16.5mm	16.5mm	21.5mm	22.5mm	26mm
Depth	36mm	49mm	76mm	100.5mm	90mm	95mm	86mm
Order No.	0304805410	0304891086	0304891085	0304891144	0304895406	0304805412	0304891084

H1650R Tabletop

High Speed Refrigerated Centrifuge

Compact-designed and low-noise in operation, the centrifuge supports 8 types of rotors for free choice and meets your diversified demands, including micro rotors as well as PCR tube rotors. It accommodates the most advanced refrigerating technologies to provide accuracy control of temperature as well as energy saving.

Features

◆ 8 types of rotors are available for free choice. It can spin with 0.2ml/1.5ml/5ml test tubes and PCR strip tubes.
◆ Microcomputer control, direct drive by AC inverter motor with high starting torque.
◆ Large LCD, speed, time, RCF, Acc and Dec profiles can be set freely. Multiple regular programs can be saved for programmable operation.
◆ 9 Acc profiles and 10 Dec profiles(0 is free stop), 3-stage vibration damping, achieving ideal centrifugal result.
◆ The protective functions of electronic door interlock, stainless steel chamber, imbalance, over-temperature and over-speed for safe operation.
◆ The operation temperature can be kept at -4℃ even when the rotors running at the max. speed, achieving ideal cooling performance.

Control Panel

◆ Clear and intuitive, easy data readout from the panel.
◆ PULSE key is provided for instantaneous centrifugation.
◆ Set-speed, set-time, set-temperature and running speed, time, temperature can be displayed at the same time.
◆ Automatic calculation of speed and RCF which can be displayed simultaneously.
◆ Program numbers can be set and called for the next time operation.

Technical Parameters

Model	H1650R	Control accuracy	±1℃
Order No.	0202171000	Compressor set	environment-friendly refrigerant(R134a)
Max.speed	16500rpm	Noise	≦65dB（A）
Max.RCF	21532xg	Power supply	AC220V +/-22V,50Hz 10A
Max.capacity	8x10ml	Power consumption	1000W
Speed accuracy	±10rpm	Dimensions (WxDxH)	350x600x340mm

Time range	1min to 99min59s	Package size (WxDxH)	460x810x510mm
Temp. Range	-20℃~40℃	Net weight	70kg

Rotor Optional

No.1 Angle Rotor	**Capacity:** 12x1.5ml **Speed**: 16500rpm **RCF**:18360xg	**Diameter:** Φ11.2mm **Depth:**38mm **Order No.** 0301809100	**No.3 Angle Rotor**	**Capacity:24**x1.5ml **Speed**:15000rpm **RCF**:21532xg **Diameter:** Φ11.2mm **Depth:**36mm **Order No.**0301809300
No.4**Angle Rotor**	**Capacity:** 30x1.5ml **Speed**: 12000rpm **RCF**:1627xg	**Diameter:**Φ11.2mm **Depth:**38mm **Order No.** 0301809100		

Adapter		
Capacity	0.2ml	0.5ml
Place	12/24/30	12/24/30
Diameter	Φ6.6mm	Φ8mm
Depth	20mm	27.5mm
Order No.	0304805005	0304805004

No.2 Angle rotor	**Capacity:** 12x5ml **Speed**: 12000rpm **RCF**: 10142xg	**Diameter:**Φ14mm **Depth:** 49mm **Order No.** 0301809200
Adapter		
Capacity	0.5ml	1.5ml
Place	12	12
Diameter	Φ8mm	Φ11.2mm
Depth	27.5mm	37mm
Order No.	0304806103	0304806104

No.5	**Order No**：0301807800 **Speed:** 12000rpm **RCF** 10920xg **capacity:**48x0.5ml	**No.6**	**Order No.**0301812200 **Speed**: 13000rpm **RCF:** 16020xg **Rotor capacity**: 6x8x0.2ml PCR
No.7	**Order No**：.0301810500 **Speed**:16000rpm **RCF:** 15300xg **Capacity:**18x0.5ml	**No.8**	**Order No**：0301812300 **Speed:** 12000rpm **RCF**: 12900xg **Rotor capacity**:8x10ml

H2050R-1 High Speed Refrigerated Centrifuge

H2050R-1 is a multifunctional centrifuge.11 types of rotors are available for diversified centrifugal applications. It combines the technologies of large-capacity (4x 750ml) with high speed up to 20500 rpm, suitable for the applications in the field of Immunology, bio-pharmaceutical, laboratory analysis, scientific research in universities and colleges.

Features

◆11 types of rotors are available, offering large capacity and high speed centrifugal applications.

◆Microprocessor control, direct drive by AC inverter and brushless motor with high torque for long service life.

◆Touch panel, large LCD , and programmable operation.

◆9 Acc profiles and 10 Dec profiles (0 is for free stop), 3-stage vibration damping, achieving ideal centrifugal result.

◆Stainless steel chamber, triple-protective functions against imbalance, over-temperature and over-speed running for safe operation.

◆Automatic rotor recognition, and speed-limit control to ensure safety.

◆The operation temperature can be kept at -4℃ even when the rotors running at the max. speed due to the high efficient compressor with environment-friendly refrigeration system.

Technical Parameters

Model	H2050R-1 LCD	**Temperature Control**	±1℃
Order No.	0202118000	**Compressor Set**	Advanced and environment-friendly compressor set with R404a
Max.speed	20500rpm	**Noise**	≤65dB(A)
Max.RCF	29200xg	**Power supply**	AC220V +/-22V,50Hz 16A
Max,capacity	4x750ml	**Power Consumption**	1500W
Speed accuracy	±10rpm	**Dimensions(WxDxH)**	550x650x840(mm)
Time range	1min~99min59s or continuous run	**Packing Size (WxDxH)**	756x856x1320(mm)
Temperature range	-20℃~40℃	**Net weight**	110Kg

Rotor optional

No.1 Angle Rotor	**Capacity:** 12x1.5ml **Speed**: 20500rpm **RCF**:29200xg	**Diameter:** Φ11.2mm **Depth:**38mm **Order No.** 0301805000	**No.7 Angle Rotor**	**Capacity:**24x1.5/2.2ml **Speed**: 16500rpm **RCF**: 26050xg **Diameter:** Φ11.2mm **Depth:**36mm **Order No.** 0301805500
Adapter				

Capacity	0.2ml	0.5ml
Place	12/24	12/24
Diameter	Φ6.6mm	Φ8mm
Depth	20mm	27.5mm
Order No.	0304805005	0304805004

No.2 Angle rotor	**Capacity: 12**x5ml **Speed**:16500rpm **RCF**:19175xg	**Diameter:** Φ14mm **Depth:** **49**mm **Order No.** 0301806100

Adapter		
Capacity	0.5ml	1.5ml
Place	12	12
Diameter	Φ8mm	Φ11.2mm
Depth	27.5mm	37mm
Order No.	0304806103	0304806104

No.3 Angle Rotor	**Capacity:** 12x10 ml **Speed**:15000rpm **RCF**: 23120xg	**Diameter:** Φ16.5mm **Depth:**76mm **Order No.** 0301805300	**No.10 Angle Rotor**	**Capacity:** 8x15ml conical **Speed**: 15000rpm **RCF**:20625xg	**Diameter:** Φ17mm **Depth:**102mm **Order No.** 0301806200

Adapter			
Capacity	1.5ml	5ml	5ml
Place	12	12	8
Diameter	Φ11.2mm	Φ14mm	Φ14mm
Depth	38mm	49mm	49mm
Order No.	0304800006	0304891111	0304891115

No.3 Angle Rotor	**Capacity:** 6x30ml **Speed**:15000rpm **RCF**: 23120xg	**Diameter:** Φ26mm **Depth:**87.5mm **Order No.** 0301805200	**No.4 Angle Rotor**	**Capacity:** 6x50ml conical **Speed**:13000rpm **RCF**:17940xg	**Diameter:** Φ29.5mm **Depth:**103mm **Order No.** 0301891143

Adapter			
Capacity	5ml	10ml	15ml conical

Place	6	6	6
Diameter	Φ14mm	Φ16.5mm	Φ16.8mm
Depth	49mm	76mm	104mm
Order No.	0304805206	0304891147	0304891143

No.4 Angle rotor
Capacity: 6x50ml **Diameter:** Φ29.5mm
Speed: 13000rpm **Depth:** 96.5mm
RCF: 17940xg **Order No.** 0301805400

Adapter							
Capacity	1.5ml	5ml	10ml	15ml	20ml	25ml	30ml
Place	6	6	6	6	6	6	6
Diameter	Φ11.2mm	Φ14mm	16.5mm	16.5mm	21.5mm	22.5mm	26mm
Depth	36mm	49mm	76mm	100.5mm	90mm	95mm	86mm
Order No.	0304805410	0304891086	0304891085	0304891144	0304895406	0304805412	0304891084

No.8 Angle rotor

Capacity: 6x85ml
Speed: 12000rpm
RCF: 15805xg
Diameter: Φ38.5mm
Depth: 98mm
Order No. 0301805600

No.9 Angle rotor

Capacity:6x100ml
Speed: 10000rpm
RCF: 11960xg
Diameter: Φ38.5mm
Depth: 109mm
Order No. 0301806000

Adapter							
Capacity	5ml	10ml	15ml	15ml conical	25ml	50ml	50ml conical
Place	18	6	6	6	6	6	6
Diameter	Φ14mm	Φ16.5mm	Φ16.5mm	Φ17mm	Φ22.5mm	Φ29.5	Φ29.5mm
Depth	49mm	76mm	101mm	103.5mm	95mm	103mm	103.5mm
Order No.	03048910 78	03048910 80	0304891 056	03048910 54	0304895 608	0304891 064	03048910 70

Rotor Optional

		Adapter	**Capacity**	**Place**	**Diameter**	**Depth**	**Order No**
	Round Bucket		500ml (conical)	4	Φ87.8	53mm	03048910 35

No.5 Swing Rotor **Order No:** 0302851300 **Max.Speed:** 4000rpm **RCF:** 3500xg **Capacity:** 4x750ml	**Order No**: 0303891025 **Capacity:** 4x750ml **Aerosol -tight bucket** **Order No** 0303891006 **Capacity:** 4x750ml		500ml	4	Φ81	93mm	03048910 36
			300ml	4	Φ63	93mm	03048910 39
			100ml	8	Φ43	71mm	03048910 38
				16	Φ38.5	73mm	03048910 06
			50ml (conical)	16	Φ29.5	66mm	03048910 33
				28	Φ29.5	75mm	03048910 03
			50ml	16	Φ29.5	66mm	03048910 37
				28	Φ29.5	73mm	03048910 04
			20ml	40	Φ20	66mm	03048911 63
			15ml (conical)	56	Φ17.5	82mm	03048910 34
				64	Φ17	75mm	03048910 05
			15ml	76	Φ17	71mm	03048911 64
			7ml	96	Φ13.5	71mm	03048911 65
			5ml	148	Φ13	71mm	03048911 66
			1.5ml	224	Φ11.2	38mm	03048910 25

Rotor	Bucket	**Adapter**	**Capacity**	**Place**	**Diameter**	**Depth**	**Order No**

No.5 Swing Rotor **Order No:** 0302851500 **Max.Speed:** 4000rpm **RCF:** 3500xg **Capacity:** 4x750ml	**Aerosol -tight bucket** **Order No** 0303891006 **Capacity:** 4x750ml		500ml (conical)	4	Φ96mm	85mm	03048910 21
			500ml	4	Φ100mm	90mm	03048911 97
			300ml	8	Φ62mm	70.5mm	03048910 19
			100ml	8	Φ43mm	83.5mm	03048911 98
			50ml (conical)	40	Φ29.5mm	75mm	03048910 20
			50ml	40	Φ29.5mm	75mm	03048911 99
			20ml	40	Φ20mm	83.5mm	03048911 63
	Bucket Order No: 0303891002 **Capacity:** 4x750ml		50ml	36	Φ29.5mm	83mm	03048910 16
			50ml (conical)	36	Φ29.5mm	83mm	03048910 15
			50ml (conical)	88	Φ17	85mm	03048910 12
			7ml	168	Φ14	80mm	03048910 17
		The adapters can be customized.					

Rotor	Cup	Adapter	Capacity （ml）	Place	Diameter mm	Depth (mm)	Order No
No.6			300	4	Φ63	100	0304891142
			100	4	Φ38.5	107	0304891087
				8	Φ38.5	95	0304891009

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<td rowspan="15">
Swing Rotor Order No. 0302851600 Speed: 4000rpm RCF: 3040xg Capacity: 4x500ml</td>
<td rowspan="8">Test Cup 0303891022 Capacity: 4x500ml</td>
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Carrier 0303851421 Capacity: 4x500ml</td>
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<td colspan="6">Order No.0303891011 Capacity:4x24x7/5ml Bucket</td>
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<td colspan="6">Order No.0303891011 Capacity:4x37x7ml Bucket</td>
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TGL-16 Tabletop

High Speed Refrigerated Centrifuge

The centrifuge is high cost-effectiveness and well-designed for molecular chemistry, molecular biology and compatible with PCR device, accommodating DC brushless motor with the noise less than 57dB(A).The temperature can be kept under -4℃ at the max. speed due to the environment-friendly compressor set.

Technical Parameters

Model	TGL-16
Order No	0202146000
Max.Speed	16000rpm
Max.RCF	21532xg
Max.capacity	12x5ml
Speed accuracy	±30rpm
Time rang	1min to 99min
Temp range	-20℃~40℃
Temp control accuracy	±1℃
Compressor set	Environment-friendly with (R134a)refrigerant
Noise	<57dB(A)
Power supply	AC220V±22V 50Hz 10A
Power consumption	700W
Dimensions(WxDxH)	350x630x300mm
Packing size(WxDxH)	460x820x480mm
Net weight	65kg

Rotor Optional

No.1 Angle Rotor	Capacity: 12x1.5ml Speed: 16000rpm	Diameter: Φ11.2mm Depth:38mm Order No.	No.3 Angle Rotor	Capacity:24x1.5ml Speed:15000rpm RCF:21532xg Diameter: Φ11.2mm

	RCF:17800xg	0301809100		Depth:36mm Order No.0301809300

No.4 Angle rotor	Capacity: 36x1.5ml Speed: 10000rpm RCF: 9178xg	Diameter: Φ11.2mm Depth: 38mm Order No. 0301807900

Adapter		
Capacity	0.2ml	0.5ml
Place	12/24/96	12/24/96
Diameter	Φ6.6mm	Φ8mm
Depth	20mm	27.5mm
Order No.	0304805005	0304805004

No.2 Angle rotor	Capacity: 12x5ml Speed:12000rpm RCF:10142xg	Diameter: Φ14mm Depth: 49mm Order No. 0301809200

Adapter		
Capacity	0.5ml	1.5ml
Place	12	12
Diameter	Φ8mm	Φ11.2mm
Depth	27.5mm	37mm
Order No.	0304806103	0304806104

No.5	No.6	No.7
Order No：0301807800 Speed: 11000rpm RCF: 13700xg Capacity：48x0.5ml	Order No：0301809400 Speed: 12000rpm RCF: 14800xg Capacity：3x8x0.2ml PCR	Order No：0301810500 Speed: 12000rpm RCF: 14800xg Capacity: 18x0.5ml

VISCOMETER

Feature:

Used to test viscous resistance and absolute viscosity of fluid, like oil, rease, paint food and cosmetics, etc.

Model	NDJ-5S	NDJ-8S	SNB-1
Display mode	digital	digital	digital
Rotors speed （r/min）	6/12/30/60	0.3/0.6/1.5/3/6/12/30/60	6/12/30/60
Speed control	Intelligent	Intelligent	Intelligent
Rotor (0# optional)	1、2、3、4	1、2、3、4	1、2、3、4
Measure Range （mPa·s）	$10\sim10^5$	$10\sim2\times10^6$	$10\sim10^5$
Measuring Accuracy (Newtonian fluid)	±5%	±5%	±2%
Dimensions（mm）	275*230*475mm		

WZS Portable Refractometers

Characteristics

Portable refractometers are very commonly used which can be used for low, middle, and high resolution Brix concentration. The low range can be used for high-precision measurement such as fruit juice, cola and most kinds of beverage. The middle range can be used for concentrated fruit juice, canned food, sugar solution detections, sauce, ketch up, seasoning and many kinds of industry fluids. The high range can be used for use with food products of high sugar content such as 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. It provides a fast and accurate way to test the ratio and concentration in water soluble cutting oil and many other industries fluid.

Technical Specification

	Model	Range	Minimum scale
Brix	WZS 5	0 - 5%	0.1%
	WZS 10	0 – 10%	0.1%
	WZS 18	0 – 18%	0.1%
	WZS 20	0 – 20%	0.1%
	WZS 32	0 – 32%	0.2%
	WZS 50	0 – 50%	0.5%
	WZS 60	0 – 60%	0.5%
	WZS 62	28 – 62%	0.2%
	WZS 82	45 – 82%	0.5%
	WZS 92	58 – 92%	0.2%
	WZS 80	0 – 80%(1 range)	0.5%
	WZS 90A	0 – 90%(1 range)	0.5%
Honey	WZS N3	58 – 92%Brix 38 – 43oBe' 12 – 27%Water	0.5%Brix 0.5oBe' 1%Water
Salinity	WZS A1	0 – 100‰ 1.000-1.070	1‰ 0.005
	WZS A2	0 – 28%	0.2%
	WZS A3	0 – 35%	0.5%
	WZS A4	0 – 40PPT	1‰
	WZS S1	0 – 100‰Salinity 1.000-1.070 0 – 10%Brix	1‰ 0.005 0.1%
	WZS S2	0 – 28%Salinity 0 – 32%Brix	0.2% 0.2%

WYA ABBE Refractometer

Characteristics

Measurement of refractive index nD, average dispersion nF-nc of transparent or translucent liquid and solid substances;
Measurement of mass fraction (Brix) of cane sugar solution;
Widely used in the field of sugar, pharmaceutical, beverage, petroleum, food, chemical industries as well as research institutes and educational department;
Visual aim, optical index-plate reading;
Easy and reliable;

Technical Specification

Model	WYA
Refractive index nD:	1.3000-1.7000
Accuracy(nD):	±0.0003
Dissolved Solids Brix:	0-95%
Temperature display:	Digital thermometer
Observation mode:	Binocular
Weight (Gross):	3.5 kg
Overall Dimensions:	270mm 180mm 370mm

WYA-2W ABBE Refractometer

Characteristics

Measurement of refractive index nD, average dispersion nF-nc of transparent or translucent liquid and solid substances;
Measurement of mass fraction (Brix) of cane sugar solution;
Widely used in the field of sugar, pharmaceutical, beverage, petroleum, food, chemical industries as well as research institutes and educational department;
Visual aim, optical index-plate reading;
Easy and reliable;

Technical Specification

Model	WYA-2W
Refractive index nD:	1.3000-1.7000
Accuracy(nD):	±0.0002
Dissolved Solids Brix:	0-95%
Temperature display:	Digital thermometer
Observation mode:	Monocular
Weight (Gross):	4.5kg
Overall Dimensions:	240mm 200mm 390mm

SGW®X-4 / SGW®X-4A Melting-point Apparatus with Microscope

Characteristics

- Measurement of melting point of substances;
- To be used in pharmaceutical industry, chemical industry, textile industry, dyestuff with microscope;
- Capillary, slide or cover-glass measurement methods can be used;

Technical Specification

Parameters/Model	SGW®X-4	SGW®X-4A
Melting-point measurement range	room temperature - 320℃	room temperature - 320℃
Repeatability:	< 200℃: ±1℃; 200-320 ℃: ±2℃	< 200℃: ±1℃; 200-320 ℃: ±2℃
Observation mode	Monocular microscope	Monocular microscope
Optic magnification:	10 X (Eye lens) 4X(Objective lens)	10 X (Eye lens) 4X(Objective lens)
Weight (Gross):	3.5 kg	3.5 kg
Overall Dimensions:	300mm 220mm 440mm	300mm 220mm 440mm

WSL-2 Tintometer

Characteristics

Visual measurement of color matching to determine material color;
Design in conformity with internationally accepted color scale of Lovibond;
Simple structure and easy to operate.

Technical Specification

Model	WSL-2
Measurement range:	Red R0.1-R79.9 Lovibond
	Yellow Y0.1-R79.9 Lovibond
	Blue B0.1-R49.9 Lovibond
	Neutral N0.1- 3.9 Lovibond
Minimum Reading:	0.1 Lovidond
White board diffuse reflectance:	＞80%
Magnification:	1.9X
Dimension of Colorimetric dishes:	10mm 20mm 40mm 25.4mm 20mm 40mm 133.4mm 20mm 40mm
Weight (Gross):	13kg
Overall dimensions:	620mm 440mm 300mm

WXG-4 Disc Polarimeter

Characteristics

Visual aim
Manual measure
Easy to operate

Technical Specification

Model	WXG-4
Measuremetn Range	±180°
Light Source	Sodium Lamp/LED + interference filter
Division Value	1°
Dial Venire Value in Reading	0.05°
Magnifying Factor of the Magnifying Glass	4 times
Wavelength	589.44nm
Test Tube	100mm/200mm(regular)
Weight(Gross)	7kg
Overall Dimensions	600mm*220mm*400mm

Polarimeter Accessories

Micro Tube
With sample loading capacity less than 0.8ml and length of 50mm, suitable for automatic polarimeter.

Thermostatic Tube
Dedicated to polarimeters that have temperature control functin.
For the length of about 100mm, the sample loading is 2.5ml
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, easy-to use features.
The reading of quarts tube includes ±1°,±5°，±7°，±34°，±68°，for customers to choose.

WQS Vibrator

Characteristics

Particle analysis;
Widely used in the field of pharmaceutical industry, food, cosmetics, grain;
Advanced integrated circuit control;
Easy to operate;
The sieves is chosen by user;

Technical Specification

Model	WQS
Vibration Direction	Vertical Vibration
Measurement Range	≤325 mesh
Vibration Frequency	3000times/min, 6000times/min
Amplitude Selection	0-3mm, continuous adjustment
Vibration Mode	Fine vibration; intermittent vibration; continuation vibration
Weight(Gross)	30kg
Overall Dimensions	610mm*390mm*400mm

Portable Type Stainless Pressure Steam Sterilizer

Features

- Overpressure auto-discharging 0.145-0.165Mpa
- The highest working temperature 126-128℃
- Dual scale numerical indication pressure gauge
- Self inflating type seal
- Full stainless
- Electric heating
- Operating easy and security reliable
- Auto-control type: 60 minutes timing with knobs, manually adjusted.
- Automatic type: Digital LCD display, microcomputer controlled.

Technical Specification

Model	Volume	Power Supply	Output Power	Chamber Size	Net Weight	Package Size
XFS-280B	18L	220V	2.0KW	280*235mm	14.5kgs	410*410*550mm
XFS-280MB	18L	220V	2.0KW	280*235mm	14.5kgs	410*410*550mm
XFS-280CB	18L	220V	2.0KW	280*235mm	15.5kgs	410*410*550mm
XFS-280B+	24L	220V	2.0KW	280*340mm	19kgs	425*425*660mm
XFS-280MB+	24L	220V	2.0KW	280*340mm	19kgs	425*425*660mm
XFS-280CB+	24L	220V	2.0KW	280*340mm	22.5kgs	425*425*660mm

TABLE TOP STEAM STERILIZER

Fully Automatic Microcomputer Type

Characteristics：

- For 4~6 minutes rapidly sterilizing.
- Digital display of working status, touch type key.
- With 3 fixed cycles of water adding, temperature rising, sterilizing, drying steam discharging controlled automatically.
- The whole process of water adding, temperature rising, sterilizing, drying steam discharging controlled automatically.
- Steam-water inner circulation system: no steam discharge, and the environment for sterilizing will be clean and dry.
- Exhaust the cool air automatically.
- Safe protection of water lacking.
- Door safety lock system.
- With four stainless steel sterilizing plates.
- The chamber of the sterilizer is made of stainless steel.
- Automatically shut off with beep reminding after sterilization.
- With drying function.

Technical Data:

Model	TM-XD35D	TM-XD50D
Sterilizing Chamber Volume	35L (ϕ300×500 mm)	50L (ϕ340×550 mm)
Working Pressure	**0.22Mpa**	
Working Temperature	**134℃**	
Adjustment Of Temperature	**105-134℃**	
Timer	**0-99 min**	
Heat Average	**≤ ± 1℃**	
Power	**2.7KW / AC220V 50Hz**	
Sterilizing Plate	400×200×30 mm (4piece)	500×250×30 mm (4piece)
Dimension	730×550×510 mm	770×600×540 mm
Package Dimension	810×680×650 mm	880×730×700 mm
G. W/N.W	**90/73 kg**	**105/86 kg**

TM-XB TABLE TOP STEAM STERILIZER

Characteristics:

1.Indicator light indicates working state.

2.For 4~6 minutes rapidly sterilizing.

3.Sterilizing temperature and time can be preset.

4.Steam-water inner circulation system:no steam discharge,and the environment for sterilizing will be clean and dry.

5.Over temperature & over pressure auto-protection.

6.Safe protection of water lacking.

7.Exhaust the cool air automatically.

8.With three stainless steel sterilizing plates.

9.The chamber of the sterilizer is made of stainless steel.

10.Automatically shut off with beep reminding after sterilization.

Technical data:

MODEL TECHNICAL DATA	TM-XB20J (YXQ.DY.250A-III 20)	TM-XB24J (YXQ.DY.250A-III 25)
Sterilizing chamber volume	20L（ϕ250×420 mm）	24L（ϕ250×520 mm）
Maximum working pressure	0.22Mpa	
Maximum working temperature	134℃	
Adjustment of temperature	105-134℃	
Timer	0-60 min	
Chamber temperature equal	≤ ± 1℃	
Source power	1.5KW/AC 220V 50Hz (AC110V 60HZ)	
Sterilizing plate	340×200×30 mm (3 piece)	400×200×30 mm (3 piece)
Dimension	480×480×384 mm	580×480×384 mm
Package dimension	700×580×500 mm	800×580×500 mm
G. W/N.W	44/40 kg	50/45 kg

CA Type Electrothbermal Pressure Steam Sterilizer

Features

- Hand wheel type of open door structure
- Mechanical safety interlocking device
- Computer control auto recycle sterilization
- LCD screen indicate working state
- Temperature scope (50-126℃)
- Time scope (0-9999min)
- Overpressure auto discharging 0.145_0.164Mpa
- Automatic shut down with beep reminding after sterilization
- Full stainless

Selecting Functions

1. Automatic water-inflow, automatic steam exhaust function
2. With F0 sterilization effect print
3. With drying function
4. Operating temperature range (126-138℃)
5. Electronic safety interlocking device

Technical Specification

Model	Material	Volume	Power Supply	Output Power	Chamber Size	Net Weight	Package Size
XFH-30CA	Stainless Steel	30L	220V	3.5KW	Φ280 *400mm	47KGS	510*510 *1170 mm
XFH-40CA	Stainless Steel	40L	220V	3.5KW	Φ340 *425mm	55KGS	570*570 *1250 mm
XFH-50CA	Stainless Steel	50L	220V	3.5KW	Φ340 *525mm	58KGS	570*570 *1300 mm
XFH-75CA	Stainless Steel	75L	380V	4.5KW	Φ380 *530mm	77KGS	630*630 *1400 mm
XFH-100CA	Stainless Steel	100L	380V	6.0KW	Φ500 *560mm	120KGS	660*660 *1420 mm
XFH-150CA	Stainless Steel	150L	380V	6.0KW	Φ500 *760mm	130KGS	660*660 *1520 mm
XFH-200CA	Stainless Steel	200L	380V	8.0KW	Φ600 *760mm	180KGS	790*790 *1480 mm

LS-HD VertIcal Pressure Steam Sterilizer

Use

The vertical pressure steam sterilizers are assembled with heating system, microcomputer controlled system, over heat and over pressure protection system, which are reliable for the sterilizing effects, convenient of operation and energy conservation. They are ideal equipments for clinics, scientific research institutes and other organizations to sterilizer surgical instruments, fabrics, glasses, culture media etc.

Characteristics

- Fully stainless steel structure.
- Auto discharge the cool air, and steam discharge automatically after sterilization.
- Automatically shut off with beep reminding after sterilization.
- Hand wheel type of quickopen door structure.
- Over temperature & over pressure autoprotection.
- Easy to operate, safe and reliable.
- Door safety lock system.
- With two stainless steel sterilizing baskets.
- LCD display of working status, touch type key.
- Safe protection of water lacking.
- With drying system.
- Self inflating type seal.

Technical Data

MODEL	LS-35HD	LS-50HD	LS-75HD	LS-100HD
Chamber volume	35L ϕ318×450mm	50L ϕ340×550mm	75L ϕ400×600mm	100L ϕ440×650mm
Working pressure	0.22Mpa			
Working temperature	134℃			
Max. working pressure	0.23Mpa			
Heat average	≤±1℃			
Timer range	0-99min or 0-99hour59min			
Temperature adjust range	105-134℃			
Power	2.5KW/AC220V 50HZ	3KW/AC220V 50HZ	4.5KW/AC220V 50HZ	
Overall dimension(mm）	450×450×1010	510×470×1130	560×560×1120	540×560×1250
Transport dimension（mm）	570×550×1150	590×590×1280	650×630×1280	680×630×1370
G.W/ N.W	72Kg/56Kg	88Kg/68Kg	100Kg/80Kg	110Kg/85Kg

Digital Ultrasonic Cleaner With LED Display

PS-A series

Features

- High power transducer for superior cleaning result , obvious cleaning effect can be seen with naked eyes
- Digital LED display to show the precise time and temperature
- Time setting with 1-30 minutes and built-in heating to 80℃
- Super water performance , more safe and sustainable
- Top quality stainless steel made for body, cover and base
- Use tap water , alcohol , organic solvent… etc as cleaning fluid

Application Range

–>Household filed

(clean jewelry, glass ,watch, dentures, fruit and vegetables, baby bottle and toys, tableware, cosmetic brush …)

–>Laboratory filed

(clean test tube, beaker, other lab apparatus…)

–>Medical and dental clinic

(dental hand piece, dental needle , dental drill, false tooth ,forceps…)

–>Industrial filed

(clean engine parts, injector, air cylinder, mould , blind window, PCB board, hardware, screw and nut, bullet shell …)

Technical Specification

Model	PS-06A	PS-08A	PS-10A	PS-20A	PS-G20A	PS-D30A	PS-30A
Ultrasonic Power(W)-Max	50	70	70	120	120	180	180
Heating Power(W)-Max	No	100	100	100	100	200	200
Capacity (L)-Max	0.6	1.3	2	3.2	4.8	4.5	6.5
Tank Size(L*W*H)	150*85 *65	150*135 *65	150*135 *100	240*135 *100	240*135 *150	300*150 *100	300*150 *150

-MM							
External Size(L*W*H) -MM	175*110 *155	180*165 *205	180*165 *240	265*165 *235	265*165 *285	330*180 *260	330*180 *310
Transducer Qty(PCS)	1	1	1	2	2	3	3
Ultrasonic Freq(KHz)	40						
Temperature Setting(℃)-Max	No	80					
Timer Setting	180S/360S	1-30 mins					
Drain Valve (Yes or No)	No						
Carrying Handle (Yes or No)	No			Yes			
Cleaning Basket (Yes or No)	Yes						

Model	PS-D40A	PS-40A	PS-60A	PS-G60A	PS-80A	PS-100A	PS-120A
Ultrasonic Power(W)-Max	240	240	360	360	480	600	720
Heating Power(W)-Max	500	500	500	500	500	500	1000
Capacity (L)-Max	7	10	15	20	22	30	45
Tank Size(L*W*H) -MM	300*240 *100	300*240 *150	330*300 *150	330*300 *200	500*300 *150	500*300 *200	500*300 *300
External Size(L*W*H) -MM	330*270 *260	330*270 *310	360*330 *330	360*330 *380	530*330 *340	530*330 *390	530*330 *490
Transducer Qty(PCS)	4	4	6	6	8	10	12
Ultrasonic Freq(KHz)	40						
Temperature Setting(℃)-Max	80						
Timer Setting	1-30 mins						
Drain Valve (Yes or No)	Yes						
Carrying Handle (Yes or No)	Yes						
Cleaning Basket (Yes or No)	Yes						

A full set including:

1 * ultrasonic cleaner
1 * cleaning basket
1 * lid
1 * power cord
1 * English user manual
1 * carton box

Multifunctional Ultrasonic Cleaner

With LCD Display TUC series

Features

- With large LCD display to show the precise time, temperature , power level
- Time setting with 1-99 minutes and built-in heating to 60℃ , adjustable power range of 10%~100%.
- Built-in “sound insulation paste” keep this series with low noise
- With sweep function & degas function
- Humanized carrying handle and drain valve for whole models
- Memory function will automatically save the most recently used setup parameters for next use.
- With sleeping mode to keep electrical energy saving

Application Range

–>Household filed

(clean jewelry, glass ,watch, dentures, fruit and vegetables, baby bottle and toys, tableware, cosmetic brush …)

–>Laboratory filed

(clean test tube, beaker, other lab apparatus…)

–>Medical and dental clinic

(dental hand piece, dental needle , dental drill, false tooth ,forceps…)

–>Industrial filed

(clean engine parts, injector, air cylinder, mould , blind window, PCB board, hardware, screw and nut, bullet shell …)

Technical Specification

Model	TUC-32	TUC-48	TUC-45	TUC-65	TUC-70	TUC-100
Ultrasonic Power(W)-Max	120	120	180	180	240	240
Ultrasonic Power setting-%	10%-100% (step by 10%)	10%-100% (step by 10%)	10%-100% (step by 10%)	10%-100% (step by 10%)	10%-100% (step by 10%)	10%-100% (step by 10%)
Heating	100	100	200	200	500	500

Power(W)-Max						
Capacity (L)-Max	3.2	4.8	4.5	6.5	7	10
Tank Size(L*W*H)-MM	240*135 *100	240*135 *150	300*150 *100	300*150 *150	300*240 *100	300*240 *150
External Size(L*W*H)-MM	265*165 *235	265*165 *285	330*180 *260	330*180 *310	330*270 *260	330*270 *310
Transducer Qty(PCS)	2	2	3	3	4	4
Drain Valve (Yes or No)	Yes	Yes	Yes	Yes	Yes	Yes
Carrying Handle (Yes or No)	Yes	Yes	Yes	Yes	Yes	Yes
Ultrasonic Freq(KHz)	40					
Temperature Setting(℃)-Max	60					
Timer Setting(MINS)	1-99					
Cleaning Basket(Yes or No)	Yes					

Model	TUC-150	TUC-200	TUC-220	TUC-300	TUC-450
Ultrasonic Power(W)-Max	360	360	480	600	720
Ultrasonic Power setting-%	10%-100% (step by 10%)	10%-100% (step by 10%)	10%-100% (step by 10%)	10%-100% (step by 10%)	10%-100% (step by 10%)
Heating Power(W)-Max	500	500	500	500	1000
Capacity (L)-Max	15	20	22	30	45
Tank Size(L*W*H)-MM	330*300 *150	330*300 *200	500*300 *150	500*300 *200	500*300 *300
External Size(L*W*H)-MM	360*330 *330	360*330 *380	530*330 *340	530*330 *390	530*330 *490
Transducer Qty(PCS)	6	6	8	10	12
Drain Valve (Yes or No)	Yes	Yes	Yes	Yes	Yes
Carrying Handle (Yes or No)	Yes	Yes	Yes	Yes	Yes
Ultrasonic Freq(KHz)	40				
Temperature Setting(℃)-Max	60				
Timer Setting(MINS)	1-99				
Cleaning Basket(Yes or No)	Yes				

A full set including:

1 * ultrasonic cleaner
1 * power cord
1 * SUS cleaning basket
1 * English user manual
1 * SUS lid
1 * carton box

Smart-1 Laboratory Glassware Washer

To clean and dry laboratory vessels of glass, ceramic, metal and plastic material, like measuring bottle, sample bottle, conical flask, pipette, test tube, beaker ect.
Outside dimension: H/W/D(MM)950*605*750

Technical Parameter:

Electric Power: 220v or 380v
Circulating system: 0-400L/min
Capacity: 176L
Peristaltic pump:2-4 units
Programs:8 standard, 2 user defined
Calculation pump:900W
Heating power:4000/9000(W) available
304 stainless external panel and 316L stainless steel inside chamber
Unique rotary knob design
Leakage protection and over-temperature protection apparatus
Multi-filtering system
Other function: Fault diagnose, electronic lock, automatic power off upon the cabinet door open.
Accessories available like RS232 connector, SD card, printer, pure booster pump

Aurora-2 Laboratory Glassware Washer

Technical Parameter:

Electronic Power: 220V/50HZ or 380V/50HZ
Washing chamber in 316L stainless steel
External panel in 304 stainless steel
Capacity: 198L
Programs: 36 default, 100+ user defined
RS 232 connection: For transferring data information from washer
Heating Power: 3KW/9KW/18KW
Total Power: 5KW/11KW/20KW
Peristaltic Pump: 2-4 pieces
Start-delay option
Washing Temperature: up to 95℃
Outside Dimension: H/W/D 1000*617*770mm
Temperature Sensor: PT1000
Internet connection available
High visibility, automatic sliding down full glass door
Functional protected by different levels of password
Cleaning frame and basket interchangeable in any level
Conductivity monitoring system for rinse
Pure water booster pump available
High efficiency steam condenser
Cleaning quantity:
Sampling tube 448/476pcs
100ml measuring tube 84 pcs
Pipette 238

Blood Bank Refrigerator

120L

160L

210L

250L

310L

Advantage

- Multiple sensors design: make sure the precise monitoring and programming.
- Double layer transparent glass door, easy to observe, also keep a better cooling temperature.
- Forced air refrigeration system, ensure inner temperature constant and uniform.
- Adjustable shelves, improve space utilization; blood storage baskets can be classified.
- Individual transparent inner door, effectively reduce cool air loss when opening the door.

Technical Specification

Model		BBR-4V120	BBR-4V160	BBR-4V210	BBR-4V250	BBR-4V310
Capacity		120L	160L	210L	250L	310L
Temp. Range		4±1℃				
Temp. Accuracy		0.1℃				
Control System		Microprocessor control				
Display		LED display				
Alarm		Audio and visual alarm for: High or low temperature, Sensor & system failure; Door ajar; Power failure, Low battery alarm for BBR-4V120/160/210; Battery off alarm for BBR-4V250/310				
Refrigeration Type		Forced air refrigeration system				
Refrigerant		R134a, CFC-Free				
Compressor		International famous compressor				
Condenser & Evaporator		High efficiency air-cooled condenser, made of copper				
Defrost		Auto defrost				
Construction		Unibody Design, Mono-assembly foaming (Rigid polyurethane insulation material)				
Material	Internal Material	Stainless steel				
	External Material	Cold-rolled steel with anti-bacteria powder coating				
Door		Double layer transparent glass door with lock, Heating film preventing frosting, Sealing joint strip with magnetic force. Transparent plastic inner door				
Consumption		160W	280W	200W	380W	380W
Power Supply		AC110V/220V±10%, 50/60Hz	AC220V±10%,50/60Hz	AC110V/220V±10%, 50/60Hz		
Casters		4 casters				
Adjustable Shelves		2 pcs	4 pcs	4 pcs	4 pcs	5 pcs
Baskets		6 pcs	12 pcs	12 pcs	12 pcs	15 pcs
Blood Bags (450ml)		66pcs	80pcs	132pcs	120pcs	150pcs
Standard Accessory		Temperature printer, LEDlamp, probe access port, door key				
Optional Accessory		Temperature recorder			Temperature recorder, Remote alarm	
External Size (W*D*H)mm		522*635*1030	600*620*1600	522*635*1530	630*666*1658	630*666*1886
Package Size(W*D*H)mm		580*690*1200	700*660*1755	580*690*1700	760*755*1870	760*755*2100
Gross Weight		95kg	113kg	120kg	145kg	167kg

Laboratory Refrigerator

BPR-5V50(G)

BPR-5V100(G)

Laboratory Refrigerator is specialized refrigerating equipment for cold storage of pharmaceuticals as well as biological products and so forth. It is suitable for hospital, drugstore, pharmaceutical factories, sanitation and antiepidemic station and clinics.

Technical Specification

Model		BPR-5V50(G)	BPR-5V100(G)
External Size(W*D*H) mm		495*548*683	495*548*934
Internal Size(W*D*H) mm		415*405*455	415*405*706
Capacity		50L	100L
Temperature Range		2℃～8℃	
Temperature Accuracy		0.1℃	
Control System		Microprocessor Control	
Alarm		Audible andvisual alarm for: High and lowtemperature, Door Ajar	
Refrigeration Type		Forced air refrigeration system	
Refrigerant		R600a	
Climate Type		N, SN	
GlassDoor		Toughened with electric heating function, no condensation	
Construction	Constructure	Unibody design & High Pressure and High Density Cyclopentane Foaming	
	Internal Material	Cold-rolled steel coated with anti-bacteria powder	
	External Material	Cold-rolled steel coated with anti-bacteria powder	
Baskets		1 pc	2 pcs
Consumption		95W	100W
Power Supply		AC220V±10%, 50/60Hz;AC110V±10%, 50/60Hz;	
Shelves		2 pcs, cold drawn steel wire impregnated shelf	3 pcs, cold drawn steel wire impregnated shelf
Door Lock		1 pc	
Accessory		Optional: Probe Access Port, Remote Alarm; Standard: USB Port	
Package Size(W*D*H) mm		560*668*858	560*668*1109
Gross Weight(Kg)		49	61

Laboratory Refrigerator(2-8℃)

BPR-5V160

BPR-5V250

BPR-5V310

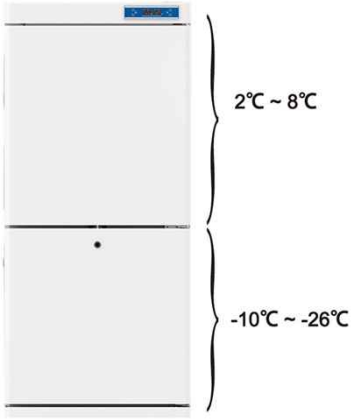
BPR-5V588/1000

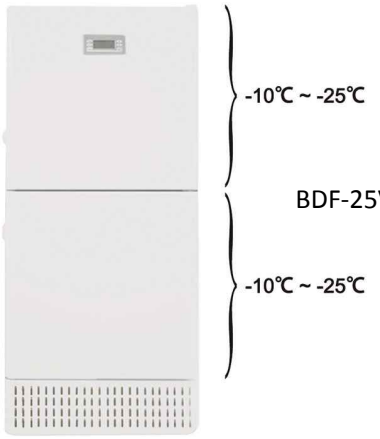
Technical Specification

Model		BPR-5V160	BPR-5V250	BPR-5V310	BPR-5V588	BPR-5V1000
External Size (W*D*H) mm		500*550*1300	580*575*1810	620*575*1980	1220*630*1885	1220*860*1885
Capacity		160L	250L	310L	588L	1000L
Temp. Range		2℃~8℃				
Temp. Accuracy		0.1℃				
Control System		Microprocessor Control, Large Screen LED Display				
Alarm		Audible and visual alarm for: High and low temperature, Power failure alarm, Sensor failure, Door ajar				
Refrigeration Type		Forced air refrigeration system				
Refrigerant		R600a, CFC Free			R134a, CFC Free	
Condenser & Evaporator		Bundy tube condenser				
Defrost		Auto defrost				
Door		Glass door with heat reflection film			Glass door with electric heating	
Construction	Structure	Unibody Design & Mono-assembly foaming (Rigid polyurethane insulation material)				
	Internal Material	Embossed aluminum sheet			Cold-rolled steel coated with anti-bacteria powder	
	External Material	PCM			Cold-rolled steel coated with anti-bacteria powder	
Shelves		4 pcs	4 pcs	5 pcs	10 pcs	
Door		Glass door with heat reflection film			Glass door with electric heating	
Consumption		136W	170W	180W	560W	
Power Supply		AC110/220V±10%, 50/60Hz				
Standard Accessory		LED Lamp, shelves, door keys, USB port, probe access port(BPR-5V588 & BPR-5V1000)				
Optional Accessory		Temperature recorder				
Package Size(W*D*H) mm		590*595*1380	670*650*1870	700*650*2030	1340*750*2100	1340*980*2100
Gross weight		51kg	68kg	84kg	248kg	280kg

-25℃ Freezer

BDF-25V260





BDF-25V450

The Low Temperature Freezer offers a wide variety of research and storage application, such as low temperature scientific experiments, preservation of plasma, biomaterial, vaccine, biomedical properties of military products. It is suitable for research institutes, electronic industries, chemical engineering industries, hospitals, sanitation and antiepidemic stations, university laboratories, military industries.

Technical Specification

Model		BDF-25V260	BDF-25V450
External Size		700*640*1826	810*735*1960
Capacity		Upper refrigerator: 186L Downfreezer: 113L	Upperfreezer: 225L Downfreezer: 225L
Type		Vertical	
Temp. Range		Upper: 2℃~8℃ Down: -10℃~-26℃	Upper: -10℃~-25℃ Down: -10℃~-25℃
Temp. Accuracy		Refrigerator:0.1℃; Freezer:1℃	0.1℃
Control System		Microprocessor control	
Alarm		Sensor failure alarm; Open-door alarm(only forBDF-25V450);High or low temperature alarm	
Refrigeration Type		Direct refrigeration	
Refrigerant		R600a, CFC free	R134a, CFC free
Condenser&Evaporator		Double directcool condensers	High efficiency air-cooled condenser
Construction	Structure	Unibody design; High density polyurethane foam door	Unibody design and mono-assembly foaming (Rigid polyurethane insulation material)
	Internal Material	Al board with anti-bacterial power	ABS Material
	External Material	Cold-rolled steel coated with anti-bacteria powder	
Shelf/Drawer		Upper: 3 drawers Down: 3 ABSdrawers	Upper: 6 plastic drawers Down: 6 plastic drawers
Consumption		302W	400W
Power Supply		AC220V±10%;50/60HZ; 110V60HZ	
Package Size(W*D*H)mm		778*720*1910	914*839*2046
Gross Weight		95kg	140.5kg

-25℃ Freezer

BDF-25V268

BDF-25V328

The Low Temperature Freezer offers a wide variety of research and storage application, such as low temperature scientific experiments, preservation of plasma, biomaterial, vaccine, biomedical properties of military products. It is suitable for research institutes, electronic industries, chemical engineering industries, hospitals, sanitation and antiepidemic stations, university laboratories, military industries.

Technical Specification

Model		BDF-25V260	BDF-25V450
External Size		700*640*1826	810*735*1960
Capacity		Upper refrigerator: 186L Downfreezer: 113L	Upperfreezer: 225L Downfreezer: 225L
Type		Vertical	
Temp. Range		Upper: 2℃~8℃ Down: -10℃~-26℃	Upper: -10℃~-25℃ Down: -10℃~-25℃
Temp. Accuracy		Refrigerator:0.1℃; Freezer:1℃	0.1℃
Control System		Microprocessor control	
Alarm		Sensor failure alarm; Open-door alarm(only forBDF-25V450);High or low temperature alarm	
Refrigeration Type		Direct refrigeration	
Refrigerant		R600a, CFC free	R134a, CFC free
Condenser&Evaporator		Double directcool condensers	High efficiency air-cooled condenser
Construction	Structure	Unibody design; High density polyurethane foam door	Unibody design and mono-assembly foaming (Rigid polyurethane insulation material)
	Internal Material	Al board with anti-bacterial power	ABS Material
	External Material	Cold-rolled steel coated with anti-bacteria powder	
Shelf/Drawer		Upper: 3 drawers Down: 3 ABSdrawers	Upper: 6 plastic drawers Down: 6 plastic drawers
Consumption		302W	400W
Power Supply		AC220V±10%;50/60HZ; 110V60HZ	
Package Size(W*D*H)mm		778*720*1910	914*839*2046
Gross Weight		95kg	140.5kg

-40℃ Low Temperature Freezer

BDF-40V268

BDF-40V328

The Low Temperature Freezer offers a wide variety of research and storage application, such as low temperature scientific experiments, preservation of plasma, biomaterial, vaccine, biomedical properties of military products. It is suitable for research institutes, electronic industries, chemical engineering industries, hospitals, sanitation and antiepidemic stations, university laboratories, military industries.

Technical Specification

Model		BDF-40V268	BDF-40V328
External Size (W*D*H)		673*676*1630mm	673*676*1860mm
Capacity		268L	328L
Type		Vertical	
Temperature Range		-30℃～-40℃	
Temperature Accuracy		0.1℃	
Control System		Microprocessor Control & LCD Display	
Alarm		High and low temperature alarm, power failure alarm, door ajar alarm, sensor failure alarm, temperature controllers failure alarm	
Refrigeration Type		Direct Refrigeration	
Refrigerant		R290	
Compressor		Unicompressor, imported famous brand compressor	
Material	Structure	Uniboday Design	
	Internal	Color sprayed steel	
	External	Color sprayed steel	
Shelf		3pcs	4pcs
Consumption		300W	
Power Supply		AC220V±10%, 50/60Hz; 110V, 60Hz	
Package Size		760*770*1800mm	770*770*2040mm
Gross Weight(Kg)		115kg	131kg

Tabletop Freeze Dryer

BK-FD10S

BK-FD10T

BK-FD10P

BK-FD10PT

The lab series freeze dryer is suitable for freeze drying test of laboratory biomedical samples.
Widely used in drugs, biological products, chemical and food industries. On the heat-sensitive substances such as antibiotics, vaccines, blood products, hormones and other biological tissue enzymes, freeze-drying technology is applied.

Features:

LCD touch screen.
With historical data inquiry function.
With USB interface to export the data.
Large capacity ice condenser trap and without coil inside.

With cascade refrigeration technology.
Pre-freezing shelf can be used as guide barrel to speed up the drying rate.
Ice condenser trap and operation panel are made by stainless steel.
Drying chamber is transparent which is visual and safe.
Shelves are stainless steel, which can be adjustable per the requirements.

Technical Specification

Model		BK-FD10S	BK-FD10P	BK-FD10T	BK-FD10PT
Type		Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area		0.12 m2		0.09 m2	
Tray		4 pcs		3 pcs	
Height Between Trays		50mm		68mm	
Cold Trap Temperature		≤-56℃			
Cold Trap Capacity		9.5L			
Cold Trap Size (Diameter*H)		Φ215*260mm			
Vacuum Degree		<10 Pa			
Water Capture Capacity		3kg/24h			
Tray Size (D*H)		Φ200*20mm		Φ180*20mm	
Freeze Drying Time		24h			
Loading Capacity/Shelf (Liquid)		0.3L			
Total Loading Capacity (Liquid)		1.2L		0.9L	
Drying Chamber Size (Diameter*H)		Φ260*310mm	Φ260*450mm		
Total Qty. Of Vial Φ22		260		195	
Total Qty. Of Vial Φ16		480		360	
Total Qty. Of Vial Φ12		920		690	
Refrigerant		R600a+R290+R23			
Cooling System		Air cooling			
Power Supply		220V/50Hz,60Hz (single phase) 110V/60Hz (single phase)			
Power Consumption		1.3KW			
Power Supply		AC220V, 50/60Hz (single phase); 110V, 60Hz (single phase)			
Standard Accessory		Vacuum pump 2L/S, 8m3/h (for all models) Conical-mouth flask 500ml*8 pcs (only for model BK-FD10P/PT)			
Optional Function & Accessory		Conical-mouth flask and wide-mouth flask(for BK-FD10P/PT) Import vacuum pump			
External Size (W*D*H)		640*610*550/810mm	640*610*550/950mm	640*610*550/990mm	
Package Size(W*D*H)mm/ Gross Weight	Main Body	720*705*730(85kg)			
	Drying Chamber /Vacuum Pump	705*590*530 (50kg)	705*590*530 (55kg)	705*590*530 (60kg)	720*705*730 (65kg)

Low Temperature Thermostat Water Tank

Application

Our low temperature thermostats water bath use a fluorine-free refrigeration system, the main components are directly imported, the performance is stable and reliable. Widely used in petroleum, chemical, electronic instrumentation, physics, chemistry, bioengineering, medical and health .working for users Provide a cold-heat-controlled, uniform temperature liquid environment, test the sample or the product directly in the tank for constant temperature test or test, can be used for direct heating or cooling, as a temperature source for auxiliary heating or cooling, such as Temperature control of the reactor, fully automatic synthesis equipment, extraction and condensing unit.

Features

- Fully enclosed environmental compressor refrigeration system, no CFC;
- Temperature range: optional -50~100C (the medium is selected according to the temperature range, pure water, ethylene glycol, alcohol lamp);
- Temperature control range: The integrated latest PID automatic temperature control program is built in and together with the highest precision PT100 temperature sensor 1/6B .Equipped with large-screen high-brightness LCD screen, Chinese and English contrast display, digital display resolution is 0.01C, ensuring accurate and stable temperature control;
- Capacity range: 6L/10L/15L/20L/30L/50L, can also be designed and produced according to the requirements of users;
- Internal circulation function: The non-heat centrifugal circulating pump which realizes the

turbulent flow and high uniformity of the temperature field in the turbulent flow field;

- The water discharge system can meet the production of liquid change in various laboratories and production enterprises.

Technical Specification

Model	DC-0520	DC-1020	DC-2020	DC-3020	DC-4020	DC-5020
Temp Range	-5-100℃	-10-100℃	-20-100℃	-30-100℃	-40-100℃	-50-100℃
Temperature Uniformity	±0.05 ≤1	±0.05 ≤1	±0.05 ≤1	±0.05 ≤1	±0.05 ≤1	±0.05 ≤1
Inner Groove Size(mm)	300 ×250 ×270	300 ×250 ×270	300 ×250 ×270	300 ×250 ×270	300 ×250 ×270	300 ×250 ×270
Working Slot Size	235×160	235×160	235×160	235×160	235×160	235×160
Refrigerating Capacity (Purewater20℃)	1500	1800	2200	2700	3400	3900
External Circulating Pump Flow	13	13	13	13	13	13

The other options

Temperature	6L	10L	15L	20L	30L	50L
-5-100℃	DC-0506	DC-0510	DC-0515	DC-0520	DC-0530	DC-0550
-10-100℃	DC-1006	DC-1010	DC-1015	DC-1020	DC-1030	DC-1050
-20-100℃	DC-2006	DC-2010	DC-2015	DC-2020	DC-2030	DC-2050
-30-100℃	DC-3006	DC-3010	DC-3015	DC-3020	DC-3030	DC-3050
-40-100℃	DC-4006	DC-4010	DC-4015	DC-4020	DC-4020	DC-4050
-50-100℃	DC-5006	DC-5010	DC-5015	DC-5010	DC-5030	DC-5050

B Series Rotary Vane Vacuum Pump

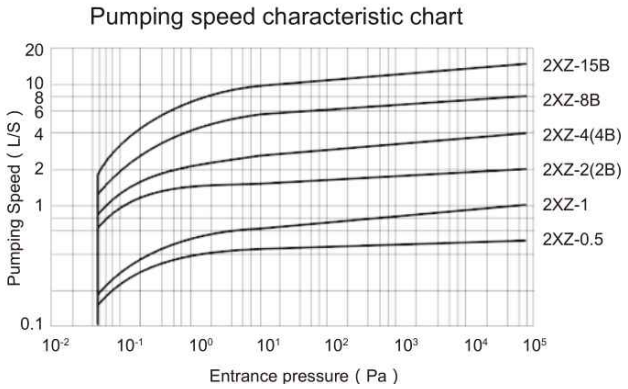
Application

The pump is used alone or as a booster pump, a cross pump, a molecular pump. The foreline pump and the maintenance pump. Titanium pump prepumping pump, widely used in vacuum metallurgy, vacuum coating, vacuum drying, freeze drying, vacuum degassing, vacuum packaging, vacuum plastic, vacuum forming, food packaging, printing, sputtering, vacuum casting, photovoltaic. Aviation technology, chemicals, electronics, refrigerators. Air conditioning line features and laboratory vacuum work and supporting use.

Features

- Product features: configure special design gas ball valve, place pump oil mixed water, extend pump oil use time；
- High pumping efficiency, high ultimate vacuum and long service life；
- With automatic anti-return oil check valve, no oil return；
- Small diameter 2xz-2b vacuum pump is equipped with vacuum drying oven, freeze dryer, printing machine, coating machine, glove box. Refrigerator ;
- Assembly line, lighting, etc； Can be equipped with small diameter adapter, KF interface, flange interface;
- When pumping steam, particles, corrosive gases, auxiliary equipment such as condensers, dust collectors, etc., must be installed at the inlet of the pump.

Extraction rate curve



Technical Specification

Model	2XZ-2B	2XZ-4B	2XZ-6B	2XZ-8B	2XZ-15B	2XZ-25B
Pumping rate（L/S)	2	4	6	8	15	25
Ultimate pressure (partial pressure)	≤4×10-2	≤4×10-2	≤4×10-2	≤4×10-2	≤4×10-2	≤4×10-2
Ultimate pressure (full pressure)	≤1	≤1	≤1	≤1	≤1	≤1
Speed (r/min)	1400	1400	1400	1400	1400	1400
Voltage(V)	220/380	220/380	220/380	380	380	380
Power(Kw)	0.37	0.55	0.75	1.5	1.5	1.5
Air inlet diameter (outside) (mm)	Φ30 (KF-25)	Φ30 (KF-25)	Φ40 (KF-25)	Φ40 (KF-40)	Φ30 (KF-40)	Φ30 (KF-50)
Noise level(dBA)	65	66	68	70	63	63
Oil capacity(L)	1	1.2	1	3	4	4
Exterior Dimension (mm)	480 *140 *250	520 *140 *250	560 *200 *340	650 *230 *350	730 *230 *350	730 *230 *350
GW/NW (Kg)	22/20	24/22	45/40	76/66	76/68	76/68

Circulating Water Vacuum Pump

Application

The circulating water type multi-purpose vacuum pump series uses circulating water as a working fluid, and uses a jet to generate a negative pressure for injection. Vacuum conditions are provided for evaporation, distillation, crystallization, drying, sublimation, vacuum filtration, and the like. Especially suitable for colleges and universities, research institutes, chemical, pharmaceutical, biochemical, food, pesticide, agricultural engineering. Biological Engineering Laboratory and industrial trials in other industries.

Features

- Recycling water help save water;
- The special fluid muffler reduces the gas in the water and makes the vacuum higher; reduces gas-liquid friction and reduces noise;
- Double taps, dual display, can be used individually or in parallel;
- Acid ,alkali and solvent corrosion resistant;
- The motor is supplied by a well-known motor manufacturer with a fluoro rubber seal to prevent the inside of the motor from being immersed in corrosive gases;
- The water in the sink should be replaced regularly to ensure the purity of the water and to ensure the vacuum;
- When pumping corrosive gases, shorten the water change cycle;
- SHB-IIIA: Jet. The suction nozzle is made of 304 stainless steel;
- SHB-IIIT: The pump body is a corrosion-resistant transparent box, which is more suitable for acid gas.
- Double-sided identical multi-purpose vacuum pump;
- The four-tap is simultaneously vacuumed and the four meters are displayed, It does not affect each other. At the same time, four operators can experiment at the same time, reducing the cost of the laboratory.

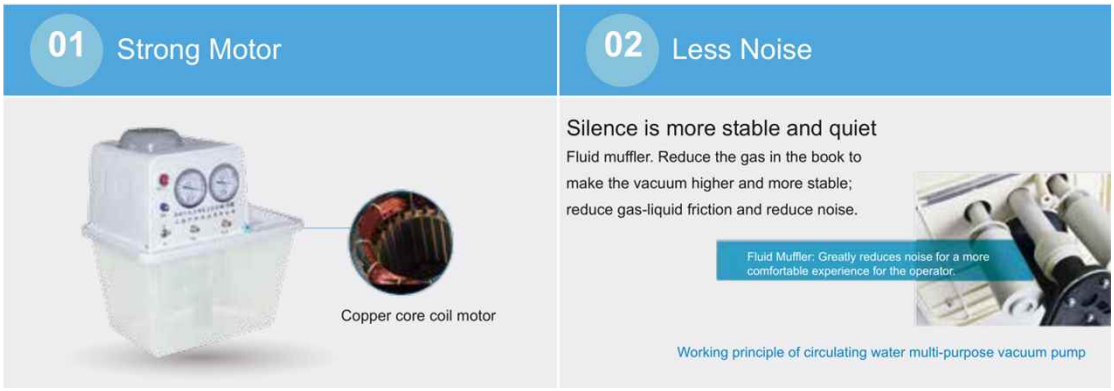
Technical Specification

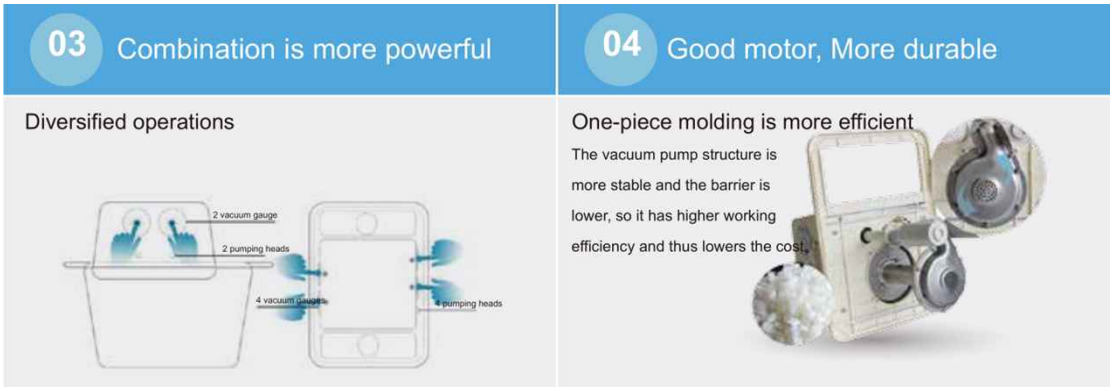
Model	SHB-IIIA/IIIT	SHB-2IIIA
Power（W）	180	250
Voltage（V/Hz）	1～,110V,60Hz or220-240V~,50/60Hz	1～,110V,60Hz or 220V,50Hz or220V,60Hz
Flow（L/min）	80	80
Lift（m）	10	10

Max Vacuum（MPa）	-0.098 (2KPa)	0.098(20mbar)
Single head pumping volume（L/min）	10	10
Number of pumping heads	2	4
Security function	Check valve	Counter flow prevention valve
Water tank capacity（L）	15	18
Water tank material	PP	PP
Exterior Dimension（mm）	385W*280D*420H	470L*260W*516H
Net weight（kg）	11	17

Six upgrades Functions

Low noise, more environmentally friendly / more energy efficient





UPTC-10 Water purifier

Features

- Microcomputer control, LED color screen display, automatic water production
- Double outlet water with UP water and RO water at the same time
- Real time display of flushing, water making, full water, lack of water and maintenance status
- Automatic timing flushing, automatic water shortage protection
- Automatic switching on for water taking, automatic switch-off without water need, saving electricity, convenient maintenance, completely replacing traditional water distiller

Technical Specification

- Water source: urban tap water TDS < 200ppm
  When TDS>200PPM, additional water softener is required
- Outlet water quality: UP resistivity>10mΩ. Cm@25C°
  RO conductivity 2-10us/cm
- Heavy metal ion < 0.2ppb
- Water yield 5/10/20L/H
- Instant water intake：1.2L/min(Optional high-pressure barrel)
- Water pressure：0.1-0.5Mpa
- Total power：50W
- Overall dimensions/weights：280x460x450mm/15kg

UPTA-10 Water purifier

Features

- 5.1 inch large screen liquid crystal screen displays in real time running status in Chinese;
- Water inlet, RO water, UP water quality and temperature display, perfect on-line monitoring;
- Automatic circulation timely and keeping stable water quality at all times;
- The selectable Chinese and English is convenient for language use;
- Pre-treatment, ROM membrane, UV lamp and ultra-pure water bag service life can be set at will, and the use and remaining time of consumables can be displayed;
- Freely start and shut down the circulation system to prolong the life of ultra-pure water bag
- Automatic warning of the consumables expiration to avoid water quality decline;
- The system sets password protection to prevent unauthorized data changes.
- Timing and quantitative water taking function
- Standard one-key disinfection functional components to achieve rapid disinfection for RO membrane, circulation pipeline and water tank, to ensure the very low level of bacterial pollution in the system
- RS-232 communication module, can connect to printer to print water quality report (optional)
- Full plastic shell, rustless

Technical Specification

- water source： Urban tap water TDS＜200ppm
  When TDS>200PPM 时， water softener is required
  water pressure：>0.1Mpa water yield：10L/H
- outlet water quality：UP resistivity 18.2mΩ.cm@25C°
- RO conductivity 2-10us/cm microbe≤1CFU/ml， heavy metal ion≤0.1ppb，TOC≤10ppb
- heavy metal ion＜0.1ppb
- Instant water intake： pure water1.5L/min super pure water 1.2L/min
- Overall dimensions/weights.：400x490x550mm/35kg

Clean bench (Vertical Type)

Features:

☆ Vertical type, special designed table top, effectively prevent the external air into the cleaning work chamber and ensure the safety of the operator.
☆ Stainless steel board, Large LCD screen to display air flow, working time, pressure difference, working status, etc.
☆ High efficient ironclad centrifugal fan with the features of stable work and low noise.
☆ Spring-type sliding door, can be positioned freely within the specified range.

Specifications

Model	LCB-1F LCB-1FD	LCB-2F LCB-2FD	LCB-1300VU
Applicable Station	1F:one person two side 1FD：one person one side	2F：two person two sides 2FD：two person one side	two person one side
Airflow Direction	Vertical		
Clean Level	Class 100@≥0.5um（U.S.Federal 209E）		
Wind speed	0.3~0.6m/s（Recommended speed: 0.5m/s）		
Colony Count	≤0.5/vessel（Petri dish: ϕ90mm ）		
Noise Level	≤62dB（A）		
Power Supply	AC220V/50Hz		
Illumination Intensity	≥300Lx		
Vibration Semi-Peak Value	≤3um	≤5um	≤4um
Maximum Power	0.4Kw	0.8Kw	0.8Kw
N.W. / G. W.（Kg）	80/130	130/210	130/210
Interior Size(W*D*H)cm	87*70*52	136*70*52	112*65*72
Exterior Size (W*D*H)cm	99*72*166	148*72*166	136*80*180
Package Size (W*D*H)cm	114×86×186	164×86×186	144×94×191
HEPA Filter	820×600×50 one pc	1310×600×50 one pc	610×610×50 two pcs
Fluorescent lamp	20W*1	20W*2	30W*1
UV lamp	20W*1	20W*2	30W*1

LCB Clean bench (Horizontal Type)

Features：

☆ Horizontal type, stainless steel board, easy to clean.
☆ Large LCD screen to display air flow, working time, pressure difference, working status, etc.
☆ High efficient ironclad centrifugal fan with the features of stable work and low noise.

Specifications

Model	LCB-1BU	LCB-1CU	LCB-840U	LCB-1300HU
Applicable Station	one person one side	two persons one side	one person two side	Two persons one side
Airflow Direction	Horizontal			
Clean Level	Class 100@≥0.5um（U.S. Federal 209E）			
Wind Speed	0.32～0.66m/s（Recommended speed : 0.3m/s）			
Noise Level	≤65dB（A）			
Vibration Semi-Peak Value	≤3um	≤5um	≤3um	≤4um
Illumination Intensity	≥300Lx			
Power Supply	AC 220V/50Hz			
Power Rating(KW)	0.4	0.8	0.4	0.8
N.W. / G. W.（Kg）（kg）	80/130	130/210	80/130	130/210
Interior Size(W*D*H)cm	82×48×60	168×48×60	72×65×57	118×65×57
Exterior Size (W*D*H)cm	90×72×146	175×72×146	84×82×143	130×82×143
Package Size (W*D*H)cm	100×84×163	189×84×163	98×94×160	144×94×160
HEPA Filter	820×600×50 one pc	820×600×50 two pcs	760×610×50 one pc	610×610×50 two pcs
Note	With UV lamp			

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