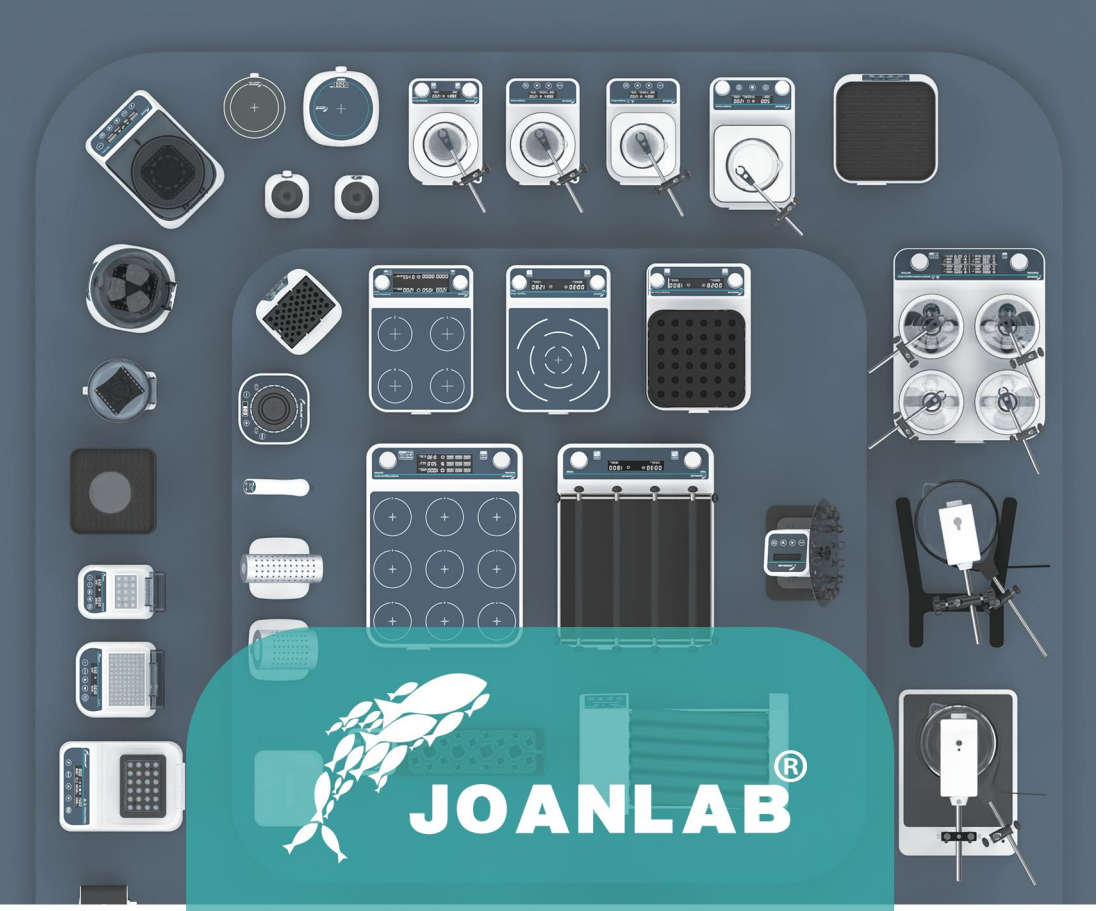
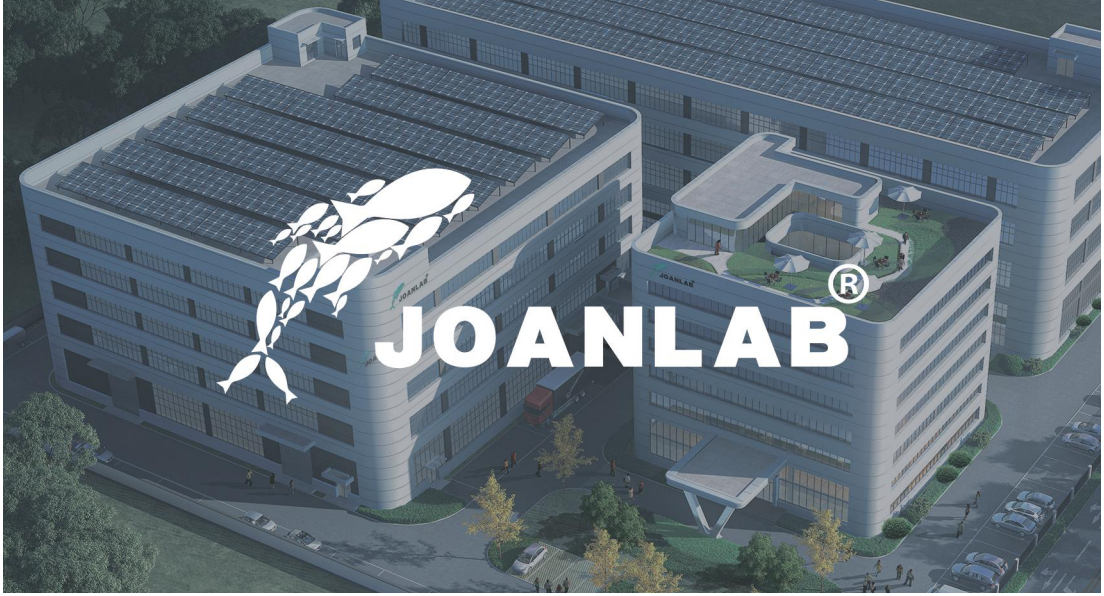


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MAKE EVERY EXPERIMENT
MORE CONVENIENT

SCAN TO SEE
JOANLAB FACTORY

Joan Lab Equipment (Zhejiang) Co.,Ltd.



HISTORY

2010
Set up Ningbo Joan Lab Equipment Co., Ltd.(Export lab items)

2013
Set up own brand "JOANLAB"

2015
Introduced German production technology, set up production factory in Huzhou

2019
Set up a R&D center in Hangzhou, developed series of new products

2023
142 million in sales

2024
Expand production scale and construct new factory of 35,000 ㎡

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LAB MIXER

01



Mini Vortex Mixer



Stepless speed regulation
Wide speed range

High quality and colorful silicone

Press to start / Compact body

Brushless motor / Durable

TECHNICAL DATA

Model	VM-200	VM-300	VM-300S
Control Mode	Constant speed		Knob
Motor	Brushless motor		
Amplitude	4.5mm (Circular oscillation)		
Maximum Sample Processing Capacity	50ml		
Speed Range	2000rpm	3000rpm	0-3000rpm

Shell Protection Level	IP42		
Power	6W	12W	12W
Voltage	100-240V, 50/60Hz		
Product Size(mm)	100*100*66	93*93*72	100*93*72
Allowable Ambient Temperature	5-40℃,80%RH		
Gross / Net weight(kg)	0.51/0.32	0.55/0.36	0.56/0.37

Vortex shaker



Laser induction start

Adjustable speed

Large mixing area

Suitable for
a variety of containers

TECHNICAL DATA

Model	VM-400	VM-400Max
Control Mode	Digital display+Button	Digital display+Button+Laser Sensoring
Motor Type	Brushless motor	
Speed	100 - 3000 rpm	
RPM Increment	100rpm	
Amplitude	4mm (Circular Oscillation)	
Direction of Rotation	Clockwise	
Allowed Ambient Humidity Temp.	5~40℃, 80%RH	
Voltage	AC100-240V	
Power adapter	DC12V 2A	
Power	20W	
Dimension (mm)	150*150*45mm	

Vortex Mixer With Multifunction



- Ultra-low body, stable operation
- Various fixtures, large handling capacity
- Brushless motor with strong power
- Touch / Run, easy to switch

TECHNICAL DATA

Model	VM-500	VM-500S	VM-500Pro
Operating Mode	Run	Touch / Run	
Control Mode	Knob	Knob	Digital display & Button
Display	No		LCD
Motor	Brushless motor		
Amplitude	4.5mm (Circular oscillation)		
Dimension(mm)	155*150*76.5		150*150*76.5

Speed Range	Run: 200-3000rpm	Touch: 0-3000rpm Run: 200-3000rpm	Touch: 0-3000rpm Run: 100-3000rpm
Timing / Time	No		1min - 8h
Shell Protection Level	IP21		
Voltage	AC100-240V		
Power adapter	DC12V/2A		
Power	20W		

Multifunctional Mixer Adapted Module

Model	Picture	Module application scope
VM501		Centrifuge tube / Test tube
VM502		Flask / Multi tube
VM503		Φ12mm Blood collection tube * 21
VM504		5ml/ 15ml Centrifuge tube * 12
VM505		50ml Centrifuge tube * 4 5ml/ 15ml Centrifuge tube * 5
VM506		0.2ml Centrifuge tube * 96 96 well plate
VM507		0.5ml Centrifuge tube * 20 1.5 / 2.0ml Centrifuge tube * 30
VM508		Cell culture plate

Vial Mixer



Three modules

Adjustable speed

Easy to operate

Mixing vials

TECHNICAL DATA

Model	VM-550X
Motor Type	Brushless motor
Speed	100 - 2000rpm
RPM Increment	100rpm
Module capacity	VM551 Vial φ22*60 or φ26*65 VM552 Vial φ16*3 φ18*2 VM553 Vial φ22*2 φ28*2
Module MaterialTiming	EVA modules
Allowed Ambient Humidity Temp.	1min - 8h
Voltage	AC100-240V
Power adapter	DC12V
Power (W)	20W
Dimension (mm)	155*150*90

Microplate oscillator



Timing function

Brushless motor with strong power

TECHNICAL DATA

Model	VM - 500 - 1P	VM - 500 - 2P
Motor Type	Brushless motor	
Horizontal Gyration Amplitude	4mm	
Speed	100-1200rpm	
RPM Increment	100rpm	
Timing	1min - 8h	
Handling range	ELISA Plate / Tissue Culture Plate / 96-well plate	
Allowed Ambient Humidity Temp.	5 ~ 40℃ 80%RH	
Voltage	AC100-240V	
Power adapter	DC12V/2A	
Power	20W	
Dimension (mm)	155*150*90	180*150*90

Microplate oscillator



Timing function

Brushless motor with strong power

TECHNICAL DATA

Model	VM - 600	VM - 600D	VM - 600Max
Motor Type	Brushless motor		
Horizontal Gyration Amplitude	3mm		4mm
Speed	500 - 1200rpm		1500 - 3000rpm
RPM Increment	10rpm		
Timing	1min - 8h		
Handling Range	ELISA Plate/Tissue Culture Plate *4 ELISA Plate/Deep Tissue Culture Plate *4		Model1(VM601) Centrifuge tube : 50ml*25+15ml*16 Model2(VM602) Centrifuge tube : 15ml*49/ Blood tube :10ml*49 Model3(VM603) Blood tube : 2/5ml*49 Model4(VM604) Centrifuge tube : 1.5/2ml*81
Allowed Ambient Humidity Temp.	5 ~ 40℃ 80%RH		5 ~ 40℃ 80%RH
Voltage	AC 100 - 240V		AC 100 - 240V
Power	20W		20W
Dimension (mm)	355*260*95	355*260*105	355*260*105

Multi Tube Vortex Mixer



- Smooth start, stable operation
- Large handling capacity
- Brushless motor with strong power
- Touch / Run, easy to switch

TECHNICAL DATA

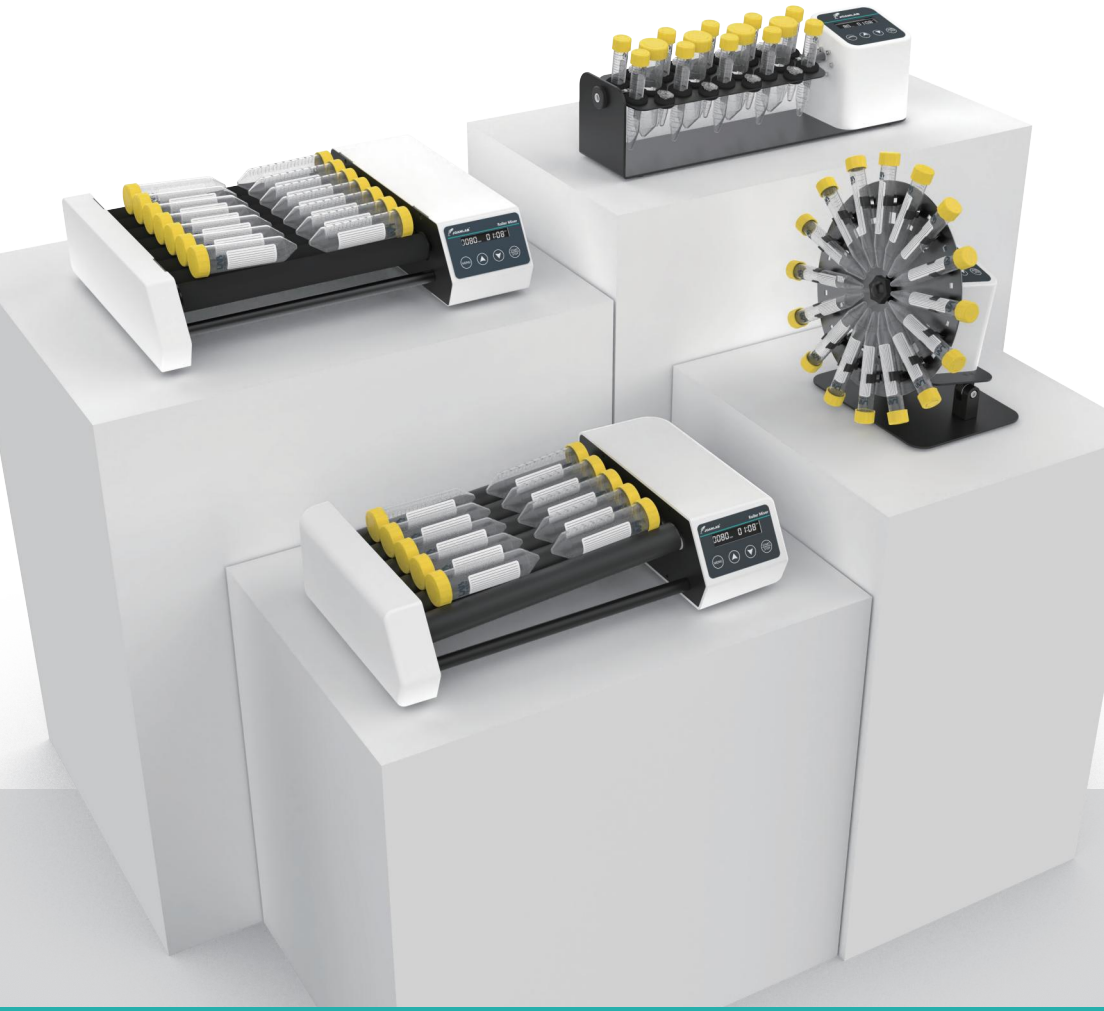
Model	VM800Pro
Operating Mode	Run
Speed Range	500 ~ 3000rpm
Amplitude	4mm Horizontal swing
Timg Range	1min ~ 24h
Maximum Load	4.5kg
Power	100W

ADAPTATION MODULE DETAILS

Model	VM801	VM802	VM803
Specification	(Centrifuge tube) 50ml*15	(Centrifuge tube) 15ml*50 (Blood tube) 10ml*50	(Centrifuge tube) (1.5/2ml)*72 (Blood tube) 2/5ml*72
Size(mm)	260*180*50	260*180*50	260*180*50
Diameter of hole	27-31	14-17	9-11

02

ROTARY MIXER



Roller Mixer



- Timing function
- Anti - lock design, more convenient
- Adjustable speed
- Brushless motor with strong power

TECHNICAL DATA

Model	RM-6	RM-6Pro	RM-8Pro	RM-6H (Horizontal Axis)	RM-8H (Horizontal Axis)
Motor Type	Brush motor	Brushless motor		Brushless motor	
Display	/	LCD	LCD	LCD	LCD
Speed	20 - 80rpm				
Number Of Rollers	6	6	8	6	8
Roller Length	280mm				
Roller Center Distance	34mm				
SPECS	φ 6 - 34mm				
Timing	/	1min - 23h59min		1min - 23h59min	
Allowed Ambient Humidity Temp.	5 ~ 40℃ 80%RH				
Voltage	AC 100 - 240V, 50/60Hz				
Power	25W				
Dimension (mm)	440*255*105	440*255*105	430*320*100	440*255*105	430*320*100

Roller Mixer



- Timing function
- Anti - lock design, more convenient
- Adjustable speed
- Brushless motor with strong power

TECHNICAL DATA

Model	RM-4max
Motor Type	Brushless motor
Type	Horizontal rolling/Horizontal Axis
Speed	20 - 80rpm
Number Of Rollers	4
Roller Length (mm)	280
Roller Center Distance (mm)	68
SPECS	φ 45 - 100mm
Timing	1min - 23h59min
Maximum load	1L Reagent bottle * 2 / 2kg
Allowed Ambient Humidity Temp.	5 ~ 40℃ 80%RH
Voltage	AC 100 - 240V, 50/60Hz
Power	25W
Dimension (mm)	440*255*105

Long Axis Rotating Mixer Shaker





Timing function

Six different modules

TECHNICAL DATA

Model	RML - 80	RML - 80Pro
Motor	Brush motor	Brushless motor
Control Mode	Knob	Digital display & Button
Type	Non-stop run	Non-stop run / Timing
Speed	20 - 80rpm	
Timing	/	1min - 23h59min
Power	25W	
Dimension (mm)	425*100*125	

MODULES

	Composite module	Centrifuge tube : 50ml*4+15ml*10+2ml*8 Blood collection tube : 10ml*10+2/5ml*8
	RML-801	Centrifuge tube : 50ml*12
	RML-802	Centrifuge tube : 15ml*23 Blood collection tube : 10ml*23
	RML-803	Centrifuge tube : 1.5/2.0ml*28 Blood collection tube : 2.0/5.0ml*28
	RML-804	Centrifuge tube : 15ml*16 Blood collection tube : 10ml*16
	RML-805	Centrifuge tube : 50ml*12

Rotary Rotating Mixer Shaker





Timing function

Large handling capacity

Adjustable angle

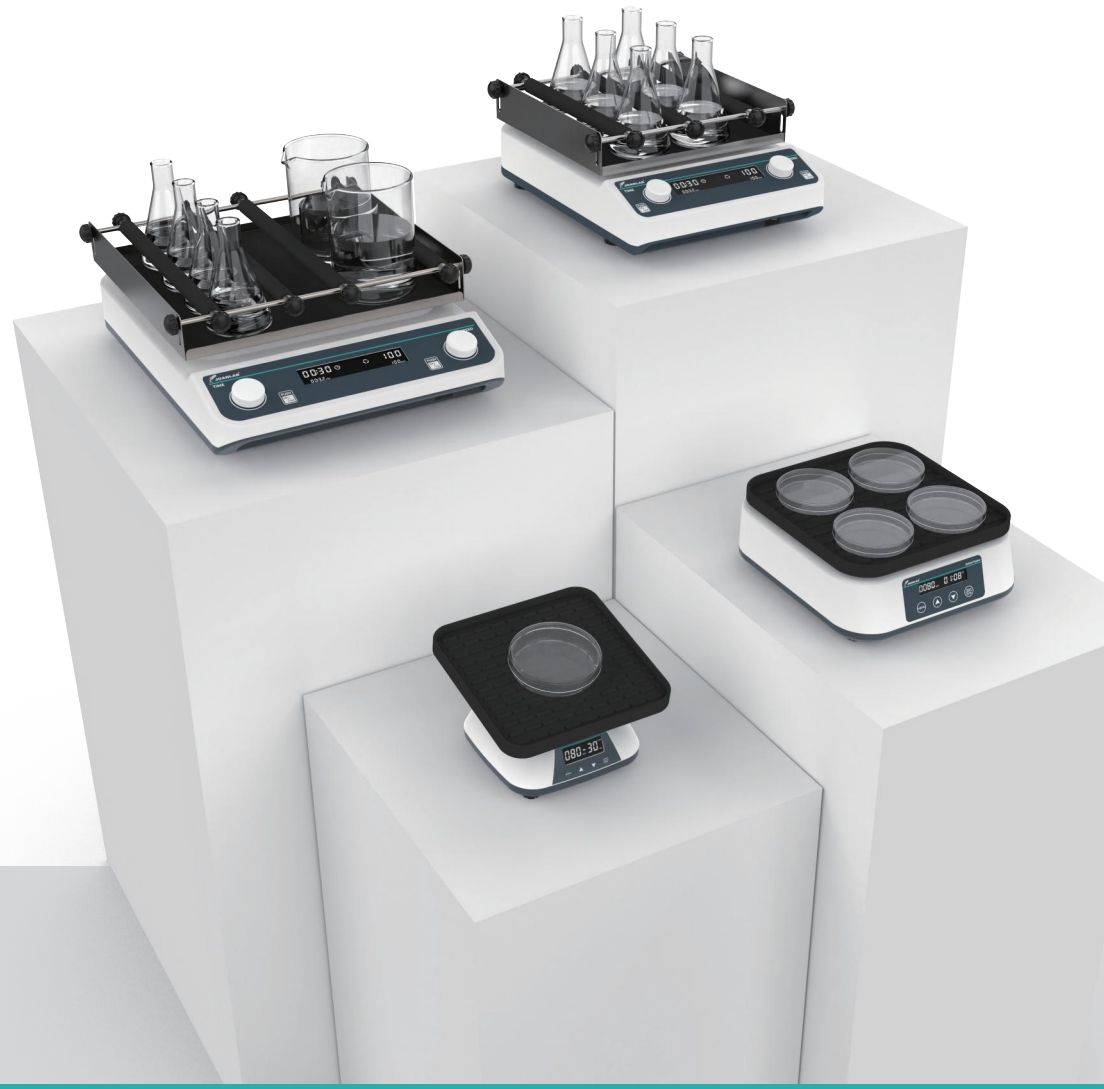
Brushless motor with strong power

TECHNICAL DATA

Model	RMO - 80	RMO - 80Pro
Motor	Brush motor	Brushless motor
Control Mode	Knob	Digital display & Button
Type	Non-stop run	Non-stop run / Timing
Speed	20 - 80rpm	
Angle Range	40° - 80°	
SPECS	Centrifuge tube : 50ml*8 or 15ml*16 or 1.5ml/2ml*24 Blood collection tube : 10ml*16 or 2ml/5ml*24	
Timing	/	1min - 23h59min
Allowed Ambient Humidity Temp.	5 ~ 40℃ 80%RH	
Voltage	AC 100 - 220V, 50/60Hz	
Power	20W	
Dimension (mm)	230*180*265mm	

LAB SHAKER

03



Orbital Shaker



SPD Adjustable speed

Timing function

TECHNICAL DATA

Model	OS-20Pro	OS-40Max	LS-40Max
Speed	40-200rpm		
Plate Size	250*250mm	320*320mm	320*320mm
Orbit Diameter	20mm	20mm	Linear and reciprocating 20mm
Timing Range	1min-23h59min		
Maximum Load	2kg	5kg	5kg
Voltage	AC100-240V 50/60Hz		
Dimensions	355*260*135mm	435*330*140mm	435*330*140mm

Plate Circular / Linear Shaker



Brushless motor

Suitable for a variety of containers

TECHNICAL DATA

Model	OS - 20F	OS - 40F	LS - 40F
Type	Circular orbital	Circular orbital	Linear & reciprocating
Plate Size	250*250	320*320	320*320
Orbit Diameter	20	20	20
Speed	40-200rpm	40-200rpm	40 - 200rpm
Timing	1min - 23h59min	1min - 23h59min	1min - 23h59min
Max Load	2kg	3kg	3kg
Allowed Ambient Humidity Temp.	5 ~ 40℃ 80%RH	5 ~ 40℃ 80%RH	5 ~ 40℃ 80%RH
Voltage	AC 100 - 240V	AC 100 - 240V	AC 100 - 240V
Power	30W	45W	45W
Dimension (mm)	355*260*100	435*330*105	435*330*105

Rocker Shaker/3D Shaker



Timing function

Suitable for a variety of containers

Adjustable speed

3D mixing

TECHNICAL DATA

Model	RS - 20Pro	SK - 3D
Type	Work Plate Rocking	3D Oscillating
Diaplay	LCD	LCD
Tit Angle	7°	10°
Max Load	2kg	0.8kg
Speed	10 - 80rpm	10 - 80rpm
Timing	1min - 24h	1min - 8h
Allowed Ambient Humidity Temp.	5 ~ 40℃ 80%RH	5 ~ 40℃ 80%RH
Voltage	AC 100 - 240V	AC100-240V
Power	25W	10W
Dimension (mm)	355*260*135	184*184*130

Plate Circumference Shaker





Timing function

Multiple containers

TECHNICAL DATA

Model	SK-10	SK-20	SK-20Pro
Motor Type	Brushless motor	Brushless motor	Brushless motor
Plate Size	200*200mm	200*200mm	200*200mm
Maximum Load	2kg	2kg	2kg
Speed Range	40-200rpm	40-200rpm	40-200rpm
Stepping	5rpm	5rpm	5rpm
Timing Range	1min-24h	1min-24h	1min-24h
Type	Circular orbital	Circular orbital	Circular orbital
Orbit Diameter	10mm	20mm	20mm
Voltage	20W	20W	20W
Power	AC100-240V	AC100-240V	AC100-240V
Dimensions	235*220*95mm	235*220*95mm	235*220*120mm

04 CENTRIFUGE



Mini Centrifuge



Stop running after opening lid

Low noise

TECHNICAL DATA

Model	MC-4K	MC-7K	MC-10K	MC-12K
Max Speed	4000rpm	7000rpm	10000rpm	12000rpm
Max RCF	984xg	3013xg	6149xg	8855xg
Rotor Capacity	Centrifuge tube 0.2ml*16+2.0ml*8; PCR strips(8x0.2ml) *2		Centrifuge tube 1.5/2ml*8	
Power	15W	20W	30W	40W
Dimensions (mm)	160*135*110	160*135*110	160*135*110	160*135*110
Weight (kg)	0.8	0.8	0.8	0.8

Mini Centrifuge



- Multi-rotor, more working capacity
- Low centre of gravity for stable operation
- High frequency and wide voltage
- Low noise

TECHNICAL DATA

Model	MC-7S	MC-4/7S	MC-5Pro	MC-7Pro
Control Mode	Switch activation		Digital Display & Button	
Max RCF	3286xg	1080/3286xg	1677xg	3286xg
Max Speed	7000rpm	4000/7000rpm	1000-5000rpm	1000-7000rpm
Rotor Capacity	0.2/0.5/1.5/2ml*12 + 0.2ml*8*4 Centrifuge tube 0.5/1.0ml*12 Micro blood tube			
Timing range	No		10sec-99min	
Power	25W			
Voltage	AC100-240V			
Power adapter	DC24V/1.5A			

High Speed Centrifuge



- Memory program
- Stable rotation
- Temperature protection function
- Multi-rotor, big working capacity

TECHNICAL DATA

Model	MC-10Pro	MC-12Pro
Control Mode	Digital display & Button	
Max Relative Centrifugal Force	6708xg	9660xg
Speed Range	1000-10000rpm±5%	1000-12000rpm±5%
Rotor Capacity	0.2/0.5/1.5/2ml*12 + 0.2ml*8*4 Centrifuge tube 0.5/1.0ml*12 Micro blood tube Hematocrit rotor: 40mm*12 Capillary tube	
Max Speed Acceleration / Reduction	≤12 s/ ≤15s	
Timing range	30s-59min50s	
Noise Under Max Rotation Speed	≤47db（A）	
Input Power	35W	45W
Shell Protection Level	AC100-240V	
Allow Surrounding Temperature	5 - 40℃ / 80%RH	

High Speed Centrifuge



- Memory program
- Stable rotation
- Temperature protection function
- Enclosed high-speed type rotor

TECHNICAL DATA

Model	MC-13Pro	MC-15Pro
Control Mode	Digital display & Button	
Max Relative Centrifugal Force	11337xg	14104xg
Speed Range	1000-13000rpm	1000-14500rpm
Rotor Capacity	0.2/0.5/1.5/2ml*12 Centrifuge tube 0.5/1.0ml*12 Micro blood tube	
Timing range	30s-59min50s	
Memory mode	P1-9	
Input Power	50W	55W
Shell Protection Level	AC100-240V	
Allow Surrounding Temperature	5 - 40℃ / 80%RH	

Low Speed Centrifuge





- Memory program
- Multi rotors optional
- Temperature protection & overshock protection
- Double electronic lock

TECHNICAL DATA

Model	LC500-8	LC500-12	LC500-6	LC500-18	LC500-24
Rotor Capacity	15ml*8 Centrifuge tube 2/5/10ml*8 Blood tube	15ml*12 Centrifuge tube 2/5/10ml*12 Blood tube	15/50ml*6 Centrifuge tube 2/5/10ml*6 Blood tube	2/5/10ml*18 Blood tube	2/5/10ml*24 Blood tube
Speed	500 - 4000rpm				
Max RCF	1967xg	2075xg	2146xg	2182xg	2164xg
Semidiameter Of Rotor	11cm	11.6cm	12cm	12.2cm	12.1cm
Timing Range	30s - 59min50s				
Protection Function	Lid opening protection, overtemperature protection, overshock protection				
Power	60W	60W	80W	80W	80W
Power Supply	AC 100V - 240V, 50/60Hz				

Low Speed Centrifuge



LCD display

Electronic lock

Emergency switches

Memory program

TECHNICAL DATA

Model	LC-400	LC-400Pro	LC-400P
Speed Range	500-4000rpm	500-5000rpm	500-4000rpm
Max Relative Centrifuge Force	1717xg	2683xg	1717xg
Rotor Capacity	15ml*4 Centrifuge tube 2/5/10ml*8 Blood tube		
Increment	100rpm		
Timing Range	30s ~ 59min50s		
Voltage	AC100-240V		
Power	35W	45W	35W
Dimensions (mm)	265*260*190		

LC-400P
Built-in 4 programs

CGF: Highly concentrated growth factor fibrin centrifugal
PRP: Platelet-rich plasma centrifugal
APRF: Advanced plasma rich fibrin
IPRF: Injectable plasma rich fibrin
(Don't use the yellow 2ml adapters for CGF)

CGF Centrifuge



Four programs built in

Multi rotors optional

TECHNICAL DATA

Model	LC500-8P	LC500-12P
Rotor Capacity	15ml*8 Centrifuge tube 5/10ml*8 Blood tube	15ml*12 Centrifuge tube 5/10ml*12 Blood tube
Speed	500 - 4000rpm	
Max RCF	1967xg	2075xg
Timing Range	30s - 59min50s	
Control mode	Digital display + buttom	
Power	60W	60W
Voltage	AC 100V - 240V	
Built-in 4 programs	CGF: Highly concentrated growth factor fibrin centrifugal PRP: Platelet-rich plasma centrifugal APRF: Advanced plasma rich fibrin IPRF: Injectable plasma rich fibrin (Don't use the yellow 2ml adapters for CGF)	

Microplate Centrifuge



LCD display

Rotor for microplate, big working capacity

Brushless motor with strong power

SPD Speed adjustable and timing

TECHNICAL DATA

Model	LC500 - MP
Max Capcacity	96-well PCR microplate * 4
Speed Range	500 - 2000 rpm
Max RCF	500xg
Semidiaeter Of Rotor	10.2cm
Protection Funcion	Lid opening protection, overtemperature protection, overshock protection
Thickness of microplate	≤18mm
Timing	30s - 59min50s
Power	50W
Power Supply	AC 100V - 240V

STIRRER

05



Mini Magnetic Stirrer



- Strong magnetic field
- Large mixing ability
- Durable brushless motor
- LCD display

TECHNICAL DATA

Model	MS3	MS5	MS5S
LCD Display	No	No	Yes
Control	Knob	Knob	Knob
Motor Type		Brushless motor	
Working Plate Size (mm)	125	135	135
Speed Range	350-1800rpm	350-1800rpm	200-2000pm
Max Stirring Volume	1L(H_2O)	2L(H_2O)	2L(H_2O)
Stir Bar Size (mm)	30	30	30
Power	5W	10W	10W
Shell Protection Level	IP21	IP42	IP42
Power adapter		DC12V 1A	

Heating Magnetic Stirrer



Strong magnetic field

Aluminum Alloy ceramic coated countertops

TECHNICAL DATA

Model	HS-5	HS-5C	HS-5Pro
Control Mode	Brushless motor	Brushless motor	Brushless motor
Plate Material	Stainless steel ceramic coated countertops	Aluminum Alloy ceramic coated countertops	
Max Stirring Volume	2L(H2O)	2L(H2O)	2L(H2O)
RPM	200-1500rpm	200-1500rpm	50-1500rpm
Timing Range		Digital display & Knob	Digital display & Button
Control Mode	/	/	1min-12h
Working Plate (mm)	Φ135	Φ135	Φ135
Plate Temp.	260°C	280°C	310°C
Liquid/Plate Temp Accuracy	/	±1°C/±3°C	±1°C/±3°C
Power	200W	300W	400W
Product Size (mm)	225*155*90	225*155*90	225*155*90

Digital Display Hotplate Stirrer



Strong magnetic field

Aluminum Alloy ceramic coated countertops

TECHNICAL DATA

Model	HS-6	HS-6C	HS-6Pro
Motor Type		Brushless motor	
Max Stirring Volume	2L	2L(H2O)	2L(H2O)
RPM	200-1500rpm	200-1500rpm	50-1500rpm
Timing Range	/	/	1min-12h
Control Mode	Knob	Digital display & Knob	Digital display & Button
Working Plate (mm)	135*135	135*135	135*135
Plate Temp.	260°C	280°C	310°C
Liquid/Plate Temp Accuracy	/	±1°C/±3°C	±1°C/±3°C
Power	200W	300W	400W
Product Size (mm)	225*155*90	225*155*90	225*155*90

Digital Display Hotplate Stirrer



Forward and reverse

304

Aluminum Alloy ceramic coated countertops

TECHNICAL DATA

Model	HS-8	HS-8C	HS-8Pro
Motor Type		Brushless motor	
Max Stirring Volume	5L(H2O)	5L(H2O)	5L(H2O)
RPM	200-1500rpm	50-1500rpm	50-1500rpm
Timing Range	/	/	1min - 12h
Control Mode	Knob	Digital display & Knob	Digital display & Knob & Button
Working Plate (mm)		Square Plate160*160mm	
Plate Temp.	280°C	310°C	310°C
Allowable Ambient Temp		5~40°C 80%RH	
Power	300W	500W	500W
Product Size (mm)		285*180*90	

Magnetic stirring heater



Strong magnetic force

Forward & backward

One-click lock

Timing & speed control

TECHNICAL DATA

Model	OB-8C	OB-8Pro
Control mode	Digital Display & Knob	Digital display & button & knob
Speed range	50-1500rpm	
Timing range	/	1min~12h
Setting temp	RT-250°C	
Medium/max temp	Water -100°C/Thermally conductive silicone oil -250°C	
Max mixing volume	1Lflask/2L beaker	
Place the medium	<500ml	
Inner dia./Depth	150/80mm	
Heating tank material	Stainless steel-Teflon coating	
Temp probe	PT1000	
Power	300W	
Voltage	AC110/220V	
Dimension	285*180*180mm	

High Heating Multi-position Magnetic Stirrer



One-click synchronisation

Separate temp control for disc/liquid

Aluminum Alloy Ceramic Coating

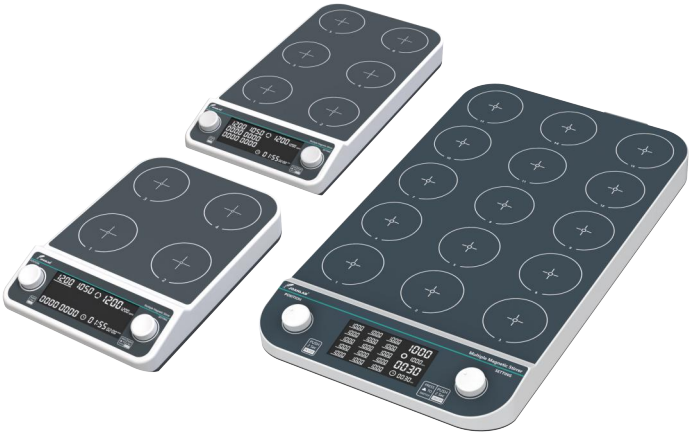
Brushless motor

TECHNICAL DATA

Model	HHMS-4Max	HHMS-6Max
Motor type	Brushless motor	Brushless motor
Control Features	Asynchronous control (one touch synchronisation)	Asynchronous control (one touch synchronisation)
Speed range	50-1500rpm	50-1500rpm
Timing range	1min-24h	1min-24h
Max mixing volume	2L (H2O)*4	2L (H2O)*6
Temp of working disc	RT-310℃	RT-310℃
Working disc	φ135mm*4Aluminum Alloy with ceramic coating	φ135mm*6Aluminum Alloy with ceramic coating
Redirect	Counterclockwise	Counterclockwise
Power	1200W	1800W
Voltage	AC110/220V	AC110/220V
Dimension	410*320*92mm	575*340*95mm

Multiple Magnetic Stirrer

Can be set to run synchronously or asynchronously



Timing function

Stepless speed regulation, wide speed range

LCD display

Durable brushless motor

TECHNICAL DATA

Model	MMS-4Pro	MMS-6Pro	MMS-9Pro	MMS-15Max
Control	Asynchronous control (one touch synchronisation)			
Number Of Stirring Points	4	6	9	15
Max Capacity	4*500ml	6*500ml	9*500ml	15*250ml 8*500ml
Working Plate Size(mm)	4-(110*110)	6-(110*110)	9-(110*110)	15-(110*90)
Motor	Brushless motor			
Speed	50-1500rpm			
Bar Size (mm)	Z30			
Timing	1min-19h59min			
Voltage	AC100-240V			

Multiple Magnetic Stirrer with Heating

Can be set to run synchronously or asynchronously



LCD display

304 stainless steel plate, corrosion resistant

Heat more uniformly

Durable brushless motor

TECHNICAL DATA

Model	MHS4Pro	MHS6Pro
Control	Asynchronous control (one-touch synchronisation)	
Number Of Stirring Points	4	6
Max Capacity	4*500ml	6*500ml
Working Plate Size	4-(110*110mm)	6-(110*110mm)
RPM	50-1200 rpm	
Plate Material	304 Stainless steel	
Plate Temperature	120℃	
Timing	1min-19h59min	
Bar Size (mm)	Z30	Z30
Power	240W	360W
Voltage	AC 110/220V	

Large Capacity Magnetic Stirrer



Timing function

Knob operation

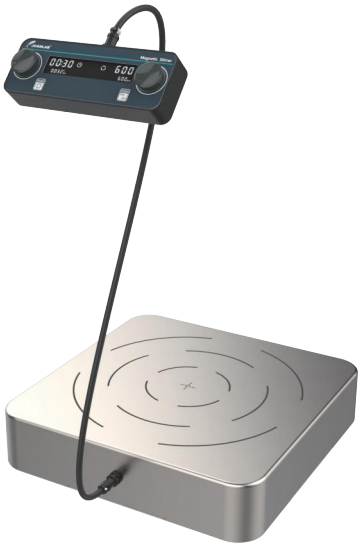
Forward and reverse

Large capacity

TECHNICAL DATA

Model	MS-5L	MS-10L	MS-15L	MS-30L	MS-50L
Control Mode	Display & Knob				
Display Method	LCD display				
Power	10W	20W	20W	30W	50W
Working Plate (mm)	180*180	220*220	220*220	260*260	330*330
Max Stirring Volume	5L	10L	15L	30L	50L
Speed Range	50-1500rpm	50-1500rpm	50-1500rpm	50-1300rpm	50-1100rpm
Speed Regulation Accuracy	5rpm	5rpm	5rpm	5rpm	5rpm
Timing Range	1min-23h59min				
Stir Bar Size (mm)	40	50	60	80	100
Product Size (mm)	285*180*65	315*220*65	315*220*65	350*260*85	435*330*85

Large Capacity Magnetic Stirrer



Forward and reverse

Extra large stirring capacity

Timing function

Knob operation

TECHNICAL DATA

Model	MS-100L
Control Mode	Digital display & Knob
Display Method	LCD display
Power	120W
Working Plate	400*400mm
Max Stirring Volume	100L
Speed Range	100-600rpm
Redirect	Forward and reverse
Timing Range	1min-24h
Stir Bar Size	160mm

Heating Mantle



Intelligent temperature control

Heating evenly,heating up fast

TECHNICAL DATA

Model	HM		HMC		HMS			HMSC	
Capacity	100ml	250ml	500ml	1L	2L	3L	5L	10L	20L
Function	Heating		Heating		Heating/magnetic stirrer			Heating/magnetic stirrer	
Heating Power	100W	150W	250W	350W	450W	600W	800W	1200W	2400W
Temperature Control	/		Digital temperature control		/			Digital temperature control	
Max Temperature	Room temp - 380℃		Room temp - 300℃		Room temp - 380℃			Room temp - 300℃	

06 STIRRER



Heating Magnetic Stirrer



Strong magnetic field

Glass panel,
corrosion resistant

TECHNICAL DATA

Model	HS-5Max	HS-6Max	HS-8Max	HS-10Max
Control Mode	Brushless motor			
Max Stirring Volume	2L(H2O)	2L(H2O)	5L(H2O)	10L(H2O)
RPM	50-1500rpm	50-1500rpm	50-1500rpm	50-1200rpm
Timing Range	1min-12h			
Control Mode	Digital display & Knob			
Working Plate (mm)	Φ135	135*135	160*160	200*200
Plate Temp.	RT-310°C			
Liquid/Plate Temp Accuracy	±1°C/±3°C	±1°C/±3°C	±1°C/±3°C	±1°C/±3°C
Power	300W	300W	500W	800W
Product Size (mm)	270*160*80	270*160*80	310*190*80	380*240*90

Four Position Magnetic Stirrer



One-click synchronization

Glass panel, corrosion resistant

LCD display

One-click lock

TECHNICAL DATA

Model	MMS-4Max
Control	Asynchronous control(one touch synchronisation)
Control mode	Digital Display & Button & Knob
Max Capacity	4*1000ml
Working Plate Size(mm)	4-(120*120)
Motor	Brushless motor
Speed	50-1500rpm
Panel Material	Glass panel
Bar Size (mm)	Z30
Timing	1min-24h
Voltage	AC100-240V

Large Capacity Magnetic Stirrer



- Glass panel, corrosion resistant
- Program memory
- Digital Display & button & knob
- One-click lock

TECHNICAL DATA

Model	MS-2Max	MS-5Max	MS-10Max	MS-15Max
Control Mode	Display & button & Knob			
Steering	Forward and reverse			
Power	10W	20W	20W	20W
Working Plate (mm)	160*160	190*190	240*240	240*240
Max Stirring Volume	2L	5L	10L	15L
Speed Range	50-1500rpm	50-1500rpm	100-1200rpm	50-1500rpm
Program memory	P1-9			
Timing Range	1min-24h			
Stir Bar Size (mm)	30	40	50	60
Product Size (mm)	270*160*56	310*190*56	380*240*56	380*240*56

Heating Magnetic Stirrer | Parts



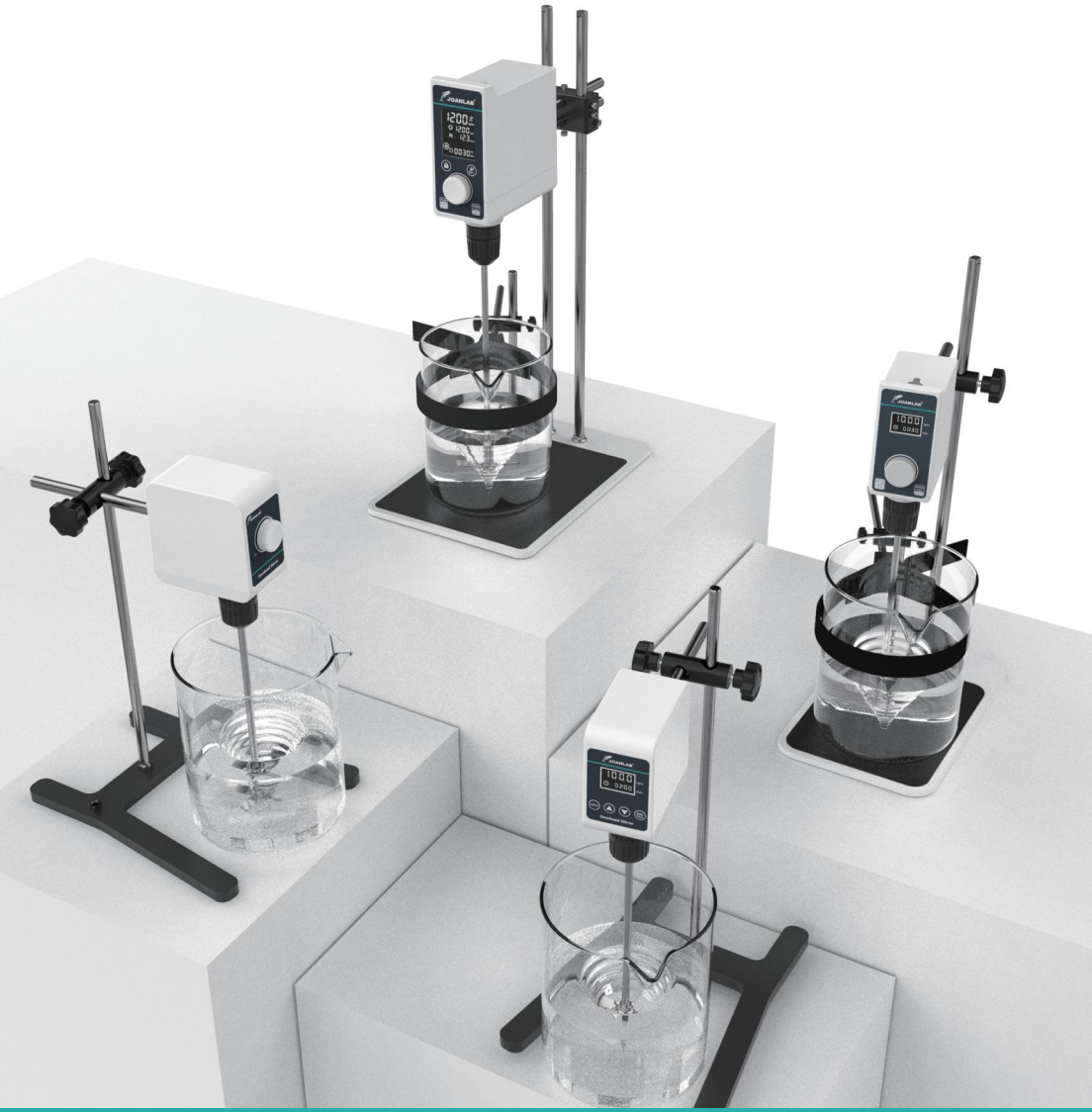
TECHNICAL DATA

Model	Image	Specifications (Hole Count * Capacity)	Aperture Diameter	Hole Depth	Outer Diameter	Height
HS-DT		Base	/	/	175mm	18mm
HS-501		12*4ml	15.2mm	18.5mm	85mm	20mm
HS-502		9*8ml	17.5mm	23.5mm	85mm	25mm
HS-503		8*16ml	20.5mm	28.5mm	85mm	30mm
HS-504		4*20ml	28.5mm	23.5mm	85mm	25mm

Model	Image	Volume	Height	Overall Diameter	Hole Diameter	Hole Depth
HS-505		100ml	46.5mm	142mm	66mm	29.5mm
HS-506		250ml	52.5mm	142mm	87.5mm	38.5mm
HS-507		500ml	62.5mm	142mm	112.5mm	48.5mm
HS-508		1000ml	77mm	152mm	134.5mm	61.5mm

* HS-5/HS-5C/HS-5Pro/HS-5Max/HHMS-4Max/HHMS-6Max (All of the above modules can be adapted)

07 OVERHEAD STIRRER



Overhead Stirrer





Detection of dumping



Paddle penetration hole



Display of temp/torque etc.

One-click lock

Adjustable speed

High mixing capacity

Powerful

TECHNICAL DATA

Model	OS-50pro	OS-100pro
Motor	Brushless motor	
Max Amount Of Stirring	50L	100L
Range Of Rotate Speed	100 - 2000rpm	50 - 1200rpm
Timing	0 - 24h	0 - 24h
Max Torque	50N.cm	100N.cm
Max Viscosity	35000mPas	70000mPas
Drill Chuck Diameter	1-10mm	1-10mm
Power	80W	100W
Voltage	AC100-240V	
Power adapter	DC24V/4A	

Overhead Stirrer





Smooth start

SPD Adjustable speed

DC permanent magnet motor

Stirring paddles penetrate

TECHNICAL DATA

Model	OS-5S	OS-10S
Motor	Brushless motor	Brushless motor
Max Amount Of Stirring	5L	10L
Range Of Rotate Speed	100-1200rpm	100-1200rpm
Timing	0-24h	0-24h
Max Torque	10N.cm	15N.cm
Max Viscosity	5000mPas	8000mPas
Drill Chuck Diameter	1-10mm	1-10mm
Power	36W	50W
Voltage	AC100-240V	AC100-240V
Power adapter	DC24V1.5A	DC24V2.5A

Overhead Stirrer





- Smooth start
- Adjustable speed
- DC permanent magnet motor
- Powerful

Note: OS-*S is H-base model, the mixing paddle can not penetrate the head; OS-*Pro is non-slip base, the mixing paddle can penetrate the head.

TECHNICAL DATA

Model	OS-15S	OS-30S	OS-15Pro	OS-30Pro
Motor	Brushless motor			
Max Amount Of Stirring	10L	20L	10L	20L
Range Of Rotate Speed	100 - 1500rpm	50 - 1200rpm	100-1500rpm	50 - 1200rpm
Timing	1min-24h	1min-24h	0-24h	0-24h
Max Torque	15N.cm	30N.cm	15N.cm	30N.cm
Max Viscosity	8000mPas	16000mPas	8000mPas	16000mPas
Drill Chuck Diameter	1-10mm	1-10mm	1-10mm	1-10mm
Power	50W	60W	50W	60W
Voltage	AC100-240V			
Power adapter	DC24V/2.5A			

08 HOMOGENIZER



Homogenizer





- H-base
- Replaceable working heads
- Powerful
- Speed Control Wheels

TECHNICAL DATA

Model	MHZ-01	MHZ-02
Power storage method	Plug-in Model	Charging model
Speed range	5000~35000rpm	0-25000rpm
Speed controlv	Stepless speed control, 6-speed equalization	
Capacity	0.5~250ml	
Blade material	316 stainless steel	
Work process type	Micro batch processing	
Stand material(optional)	304 stainless steel rod+ aluminum alloy base	
Continuous working time	s10min	
Power	160W	12V DC charging type battery
Power supply	AC220V 150Hz	AC100-240V
Dimension	Φ50x355mm	Φ50x375mm
Blade Specification	StandardΦ10mm Capacity:5~250ml	StandardΦ8mm Capacity:1~100ml / StandardΦ6mm Capacity:0.5~50ml

Laboratory Homogenizer





Replaceable three kinds of working heads

SPD Speed Control Wheels

TECHNICAL DATA

Model	HZ-300	Blade material	304 stainless steel
Speed regulation mode	Stepless speed control, 6-speed equalization	Allowed Ambient Humidity Temp	5-40℃;80%RH
Maximum speed	30000rpm	power	1300W
Material of working head	316 stainless steel	Power supply	AC220V 50HZ
Working head length that can into the material	150mm	Dimension	350*250*650mm

working head		Standard		Optional		Optional
Specification		φ25*225mm		φ18*225mm		φ36*225mm
Capacity range		250~5000ml		150~3000ml		500~1000ml
Speed range		9000~28000rpm		10000~30000rpm		8000~25000rpm
Suitable Viscosity		8000mPas		5000mPas		10000mPas

Homogenizer



- Brushless motor
- Powerful
- Double-standing pole
- Speed Control Wheels

TECHNICAL DATA

Model	HZ-500Max
Motor type	Brushless motor
Speed range	0~30000rpm
Control mode	Digital display&knob
Stepping	500rpm
Temperature display	Yes
Noise	<60db
Power	300W
Dimension	180*75*205mm

09 DRY BATH



Mini Dry Bath

- Small volume
- LCD display
- Multi-point operation
- Overtemperature protection



TECHNICAL DATA

Model	MDB100C	MDB100
Temperature Range	Room temp - 15℃ ~ 100℃	Room temp ~ 100℃
Settable temp	-5-100℃	0-100℃
Temperature Stability/Homogeneity	±0.5℃	±0.5℃
Display Accuracy	0.1℃	0.1℃
Multi-point Operation	Yes	No
Temperature Point Can Be Set	9	9
Time Setting Range	5s - 23h59min	5s - 23h59min
Max heating rate	5.5℃/min	5.5℃/min
Max cooling rate	5°C/min (100°C - RT)1°C/min (below RT)	
Power	60W	60W
Voltage	AC100-240V	AC100-240V

Module Options		Module Options	
MDB1	40 * 0.2ml Centrifuge tube	MDB3	15 * 1.5ml Centrifuge tube
MDB2	24 * 0.5ml Centrifuge tube	MDB4	15 * 2.0ml Centrifuge tube

OEM Of Modules Modules can be customized according to customer needs

Dry Bath

- LCD display
- Overtemperature protection
- Multi-point operation
- Multi modules optional



TECHNICAL DATA

Model	DB100C	DB100
Temperature Range	Room temp - 15℃ ~ 100℃	Room temp ~ 100℃
Temperature Stability	±0.5℃	±0.5℃
Temperature Homogeneity	±0.5℃	±0.5℃
Display Accuracy	0.1℃	0.1℃
Max heating rate	5.5℃/min	5.5℃/min
Max cooling rate	5°C/min (100°C - RT)1°C/min (below RT)	/
Multi-point Operation	Yes	No
Temperature Point Can Be Set	9	9
Time Setting Range	5s--23h59min	5s--23h59min
Power	96W	96W
Voltage	AC100-240V	AC100-240V

Module Options		Module Options	
DB1	96 * 0.2ml Centrifuge tube	DB6	12 * 5 / 15ml Centrifuge tube
DB2	48 * 0.5ml Centrifuge tube	DB7	6 * 50ml Centrifuge tube
DB3	35 * 1.5ml Centrifuge tube	DB8	Flat bottom plate (ELISA plate/culture plate, etc.) (Non-replaceable modules)
DB4	35 * 2.0ml Centrifuge tube	DB9	Cuvettes dedicated module
DB5	24 * 5.0ml Blood tube	DB10	Aluminum beads (Non-replaceable modules)

OEM Of Modules　Modules can be customized according to customer needs

Dry Bath-Two Modules

- LCD display
- Memory program , 9 temperature points
- Rapid warming
- Two modules, freely combined



TECHNICAL DATA

Model	DB100-2P	Multi-point Operation	No
Temperature Range	Room temp ~ 100℃	Temperature Point Can Be Set	☒
Temperature Stability/Homogeneity	±0.5℃	Time Setting Range	5s--24h
Display Accuracy	0.1℃	Power	200W
Max heating rate	5.5℃/min	Voltage	AC110/220V
Module Size	(110*75*32 mm) * 2	Size	280*180*85 mm

Module Options	Module image	Numbers And Aperture Of Test Tube
DB1		96 * 0.2ml Centrifuge tube
DB2		48 * 0.5ml Centrifuge tube
DB3		35 * 1.5ml Centrifuge tube
DB4		35 * 2.0ml Centrifuge tube
DB5		24 * 5.0ml Blood tube
DB6		12 * 5 / 15ml Centrifuge tube
DB7		6 * 50ml Centrifuge tube
DB9		Cuvettes dedicated module
DB2-1		Aluminum beads(Integral module,stand-alone) (Non-replaceable modules)
OEM Of Modules		Modules can be customized according to customer needs

Dry Bath Shaking Incubator

Thermal cover design prevents condensation from forming on the tube wall or tube cover during the temperature control process



- Hot cover heat preservation function
- Multi-point operation
- Heating & cooling
- Multi modules optional

TECHNICAL DATA

Model	DBSC-100Max	DBS-100Max
Actual temp range	RT - 15 ~ 100℃	RT ~ 100℃
Settable temp	-5℃ ~100℃	0℃~100℃
Temperature Stability	±0.5℃	±0.5℃
Max heating rate	5.5℃/min	5.5℃/min
Max cooling rate	5℃/min(100℃-Room temp) 1℃/min(Below Room Temp)	/
Program memory	P1 - 9	P1 - 9
Multi-point operation	Yes	No
Speed	100-1500 rpm(Low module) / 100-800 rpm(High module)	
Timing	5s-24h	
Power	150W	
Voltage	100-240V 50/60HZ	
Size	265*190*150mm	

Optional thermal lid		DBS-Lid
Applicable models		DBS-1 / DBS-2 / DBS-3 / DBS-4

Module Options	Module image	Module capacity
DBS - 1		0.2ml *96(Pointed bottom - Centrifuge tube / 96-hole PCR microplate / PCR strips 8x0.2ml)
DBS - 2		0.5ml *24 (Pointed bottom - Centrifuge tube)
DBS - 3		1.5ml *24 (Pointed bottom - Centrifuge tube)
DBS - 4		2ml *24 (Round bottom - Centrifuge tube)
DBS - 5		15ml *8 (Pointed bottom - Centrifuge tube)
DBS - 6		50ml *4 (Pointed bottom - Centrifuge tube)
DBS - 7		Flat Module PCR Plate Flat Bottom
OEM Of Modules		Modules can be customized according to customer needs

PRP Gel Maker



Memory program

Cosmetic & Dental & Restorative

TECHNICAL DATA

Model	DB100C-G	DB100-G
Temperature Range	Room temp - 15℃ ~ 100℃	Room temp ~ 100℃
Temperature Stability	±0.5℃	±0.5℃
Display Accuracy	0.1℃	0.1℃
Max heating rate	5.5℃/min	5.5℃/min
Max cooling rate	5°C/min (100°C - RT) 1°C/min (below RT)	/
Multi-point Operation / Memory program	Yes / P1 - 9	No / P1 - 9
Time Setting Range	5s--23h59min	5s--23h59min
Power	96W	96W
Voltage	AC100-240V (Wide	AC100-240V (Wide
Size	170*160*178 mm	170*160*178 mm

WATER BATH

10



Water Bath With Magnetic Stirrer





Anti-drying function

Brushless Motor

Stainless steel inner tank

Strong Stirring Power

TECHNICAL DATA

Model	WB-2	WB-2S	WB-6S	WBS-6Pro
Speed / Increment	/	/	/	100-1200RPM / 50RPM
Capacity	2L	2L	6L	6L
Temperature Range	Room Temp. +5℃-100℃			
Liner Size	Φ150*150*105mm(depth)		200*200*130mm(depth)-2L flask or 3L beaker	
Product Size (mm)	195*190*260		260*265*325	260*265*325
Display Accuracy	0.1℃		0.1℃	0.1℃
Power	300W		800W	800W
Voltage	AC110/220V		AC110/220V	AC110/220V
Timing Range	1min-24h		1min-23h59min	1min-23h59min

Water Bath



Digital display thermostatic

High precise temperature control

One-piece stainless steel tank

High corrosion resistance

TECHNICAL DATA

Model	WB100-1 WB100-1F	WB100-2 WB100-2F	WB100-4 WB100-4F	WB100-6 WB100-6F	WB100-8F
Temperature Range	Room temp- 99.9℃				
capacity	3L	6L	12L	18L	24L
Power	300W	600W	800W	1200W	1500W
Accuracy	±0.1℃				
Working Chamber Size (mm)	160*160*130	300*150*140	300*300*140	450*300*130	620*300*120

* WB100-F series are anti-dry series

Water Bath



Program memory

Timing function

Anti-drying function

Experimental process visualisation

TECHNICAL DATA

Model	WB100-2Pro	WB100-4Pro	WB100-6Pro
Anti-drying function		Yes	
Control mode		Digital Display & Button	
Program memory		P 1-9	
Temp range		RT-100'C	
Precision		+0.1℃	
Power	600W	800W	800W
Workshop size	300*150*140mm	300*300*140mm	300*300*140mm
Dimension	360*230*350mm(With lid)	360*370*380mm(With lid)	360*370*380mm(With lid)

AIRFLOW DRYER

11



AIRFLOW DRYER





Rapid drying

Uniform airflow

TECHNICAL DATA

Model	AD-12	AD-16	AD-24
Control Mode	Knob	Knob	Knob
Number of ducts	12	16	24
Outlet air speed	0.2-2.5m/s		
Outlet temperature	RT-85℃		
Overheating protection	Stop heating after over-temperature		
Time range	0-60min		
Max drying vessel	1L conical flask*12	1L conical flask*16	500ml conical flask*24
Heating power		600W (1level)	1000W (2level)
Voltage	AC 220V		
Dimension	405*405*360 mm		

INFRARED STERILIZER

12



Infrared Sterilizer



DS-900/DS-900S
Free bracket

5-7 s for sterilization

No open flame, safer

TECHNICAL DATA

Model	DS-800	DS-800S	DS-900	DS-900S
Max temp in the central zone	800℃±50℃		850℃±50℃	
Heating temp	Two-speed heating 400℃/800℃		Two-speed heating 400℃/850℃	
Max sterilisation outer diameter	Φ14mm	Φ35mm	Φ14mm	Φ35mm
Total length of heating zone	150mm	100mm	150mm	100mm
Heating up time	10min			
Power	150W	240W	150W	240W
Voltage	AC110/220V			
Dimension	175*130*185mm	147*130*200mm	175*130*185mm	147*130*200mm

Digital Infrared Sterilizer



Free bracket

Digital Display & button

Glass panel, corrosion resistant

high temperature sterilization

No open flame, safer

TECHNICAL DATA

Model	DS-1000
Heating hole diameter	Φ35mm
Heating Zone Length	135mm
Heating-up time	10-20min
Low temperature mode (low level)	400±50℃
Maximum heating temp (high level)	850±50℃
Timer	0-8h
Control Method	Two-speed heating 400℃/800℃
Allowable Ambient Temperature	5-40℃ 80%RH
Power	400W
Voltage	AC 110/220V
Dimension	205*125*210mm

13 PIPETTE



Electric Pipette





Dynamic drainage + Gravity drainage

Membrane protection

6 levels adjustable pipetting speed

LCD display

TECHNICAL DATA

Model	EP-80	EP-100Pro
Range	0.1-80ml	0.1-100ml
Suction Speed	25ml < 5s (6 speeds adjustable)	
Drain Mode	Dynamic drainage + Gravity drainage	
Battery Life	Could work intermittently for about 8 hours	
Type Of Pipette	Plastic or glass pipette; Pasteur pipettes	
Filter Membrane	0.45μm hydrophobic filter membrane	
Weight	180g	

Liquid Vacuum Aspiration System





Work for multi purpose

LCD Digital display speed control knob

SPD 9-speed regulation

High temperature disinfection

TECHNICAL DATA

Model	VP-6Pro	Fluid Absorption Rate	1.6L / Min
Type	Negative pressure suction	Ultimate Vacuum	0.06Mpa
Control Type	Digital display knob · 9 speeds	Diameter Of Collection Bottle	93mm
Pumping Rate	6L / Min	Power	10W
Bottle capacity	1L	Voltage	AC100-240V



M Series Micropipette

0.1ul ≫ 10ml Wide range

Dispense accurately

TECHNICAL DATA

Model	Capacity Range	Test Capacity	Tip	Increment	Accuracy Error	Repeat Error
M2.5	0.1 - 2.5ul	2.5ul 1.25ul 0.25ul	10ul	0.05ul	±2.50% ±3.00% ±2.00%	±2.50% ±3.00% ±2.00%
M10	0.5 - 10ul	10ul 5ul 1ul	10ul	0.1ul	±1.00% ±1.50% ±2.50%	±0.80% ±1.50% ±1.50%
M20	2 - 20ul	20ul 10ul 2ul	200ul	0.5ul	±0.90% ±1.20% ±3.00%	±0.40% ±1.00% ±2.00%
M50	5 - 50ul	50ul 25ul 5ul	200ul	0.5ul	±0.60% ±0.90% ±2.00%	±0.30% ±0.60% ±2.00%
M100	10 - 100ul	100ul 50ul 10ul	200ul	1ul	±0.80% ±1.00% ±3.00%	±0.15% ±0.40% ±1.50%
M200	20 - 200ul	200ul 100ul 20ul	200ul	1ul	±0.60% ±0.80% ±3.00%	±0.15% ±0.40% ±1.00%
M1000	100 - 1000ul	1000ul 500ul 100ul	1000ul	5ul	±0.60% ±0.70% ±1.50%	±0.20% ±0.25% ±0.70%
M5000	500 - 5000ul	5000ul 2500ul 500ul	5000ul	50ul	±0.50% ±0.60% ±0.70%	±0.15% ±0.30% ±0.30%
M10000	1 - 10ml	10ml 5ml 1ml	10ml	0.1ml	±0.60% ±1.20% ±3.00%	±0.20% ±0.30% ±0.60%

Multichannel Pipette



Digital window

8/12 channels optional

Suitable for 96-well plates

The tip can rotate 360 degrees

TECHNICAL DATA

Model	Type	Capacity Range	Tip	Increment	Test Capacity	Allow Maximum Error	
M8 - 10	8 channels	0.5 - 10ul	10ul	0.1ul	10ul 5ul 1ul	1.50% 2.50% 4.00%	0.150 0.125 0.040
M8 - 50	8 channels	5 - 50ul	200ul	0.5ul	50ul 25ul 5ul	0.50% 1.00% 2.00%	0.250 0.100 0.750
M8 - 300	8 channels	50 - 300ul	300ul	5ul	300ul 150ul 50ul	0.25% 0.50% 0.80%	0.750 0.750 0.400
M12 - 10	12 channels	0.5 - 10ul	10ul	0.1ul	10ul 5ul 1ul	1.50% 2.50% 4.00%	0.150 0.125 0.040
M12 - 50	12 channels	5 - 50ul	200ul	0.5ul	50ul 25ul 5ul	0.50% 1.00% 2.00%	0.250 0.100 0.750
M12 - 300	12 channels	50 - 300ul	300ul	5ul	300ul 150ul 50ul	0.25% 0.50% 0.80%	0.750 0.750 0.400



P Series Whole Autoclavable Micropipette

121℃ sterilization

0.5ul 10ml
Wide range

Dispense accurately

TECHNICAL DATA

Model	Capacity Range	Test Capacity	Tip	Increment	Accuracy Error	Repeat Error
P2.5	0.1 - 2.5ul	2.5ul 1.25ul 0.25ul	10ul	0.05ul	±2.00% ±2.50% ±1.50%	±1.50% ±2.50% ±3.00%
P10	0.5 - 10ul	10ul 5ul 1ul	10ul	0.1ul	±0.90% ±1.00% +2.00%	±0.80% ±1.00% ±1.50%
P20	2 - 20ul	20ul 10ul 2ul	200ul	0.5ul	±0.80% ±1.00% ±2.00%	±0.40% ±1.00% ±1.50%
P50	5 - 50ul	50ul 25ul 5ul	200ul	0.5ul	±0.60% ±0.90% ±1.50%	±0.30% ±0.60% ±2.00%
P100	10 - 100ul	100ul 50ul 10ul	200ul	1ul	±0.80% ±1.00% ±2.00%	±0.15% ±0.40% ±1.50%
P200	20 - 200ul	200ul 100ul 20ul	200ul	1ul	±0.60% ±0.80% ±2.00%	±0.15% ±0.30% ±1.00%
P1000	100 - 1000ul	1000ul 500ul 100ul	1000ul	5ul	±0.60% ±0.70% ±1.00%	±0.20% ±0.25% ±0.70%
P5000	1000 - 5000ul	5000ul 2500ul 1000ul	5000ul	50ul	+0.50% ±0.60% ±0.70%	±0.15% ±0.30% ±0.30%
P10000	2 - 10ml	10ml 5ml 2ml	10ml	0.1ml	±0.60% +1.20% +2.00%	+0.20% ±0.30% ±0.60%

Bottle Top Dispenser



2.5 ~ 60 Various models

Safety valve protection

TECHNICAL DATA

Model	Capacity Range	Increment	Test Capacity	Systemic Error	Random Error
DA-2.5ML	0.5-2.5ml	0.05	1ml	10ul	2ul
DA-5ML	1-5ml	0.1	2.5ml	25ul	5ul
DA-10ML	2-10ml	0.25	5ml	50ul	10ul
DA-30ML	5-30ml	0.5	15ml	125ul	25ul
DA-60ML	10-60ml	1	30ml	250ul	50ul

Pipette Stand





- 360° rotation
- Recessed design, no sliding
- Foot suspension
- Suitable for a wide range of pipettes

TECHNICAL DATA

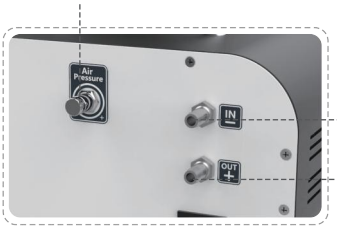
Model	MPS-3	MPS-6	MPS-9
Style	Linear pipette rack	Round pipette rack	Round pipette rack
Material	ABS plastic		
Number of Pipettest	3	6	9
Dimension	150*90*225mm	170*170*310mm	170*170*310mm

14 VACUUM PUMP



Oilless Diaphragm Vacuum Pump

Pressure regulating valve
(Pressure & Speed Adjustable)





Pressure & speed adjustable

Positive and negative pressure

TECHNICAL DATA

Model	VP-20Pro	VP-30Pro	VP-40Pro	VP-55Pro
Type	Negative pressure air inlet	Negative pressure air inlet /Positive pressure air outlet		
Pressure & Speed adjustable	Yes			
Pumping rate	20L/min	30L/min	40L/min	55L/min
Max vacuum degree	0.08Mpa	0.085Mpa	0.088Mpa	0.088Mpa
Max pressure	/	5.0bar	8.0bar	8.0bar
Negative pressure	0.08Mpa	0.085Mpa	0.088Mpa	0.088Mpa
Positive pressure	/	5.0bar	8.0bar	8.0bar
Noise	<50db			
Valve diaphragm	Imported rubber			
Power	40W	50W	130W	230W
Voltage	AC100-220V	AC100-220V	AC110/220V	AC110/220V
Dimension	220*145*155mm	240*145*165mm	300*185*200mm	370*215*230mm

Oilless Diaphragm Vacuum Pump



Oil-free & no pollution

High precision vacuum gauge

TECHNICAL DATA

Model	VP-10L
Type	Negative pressure
Pumping rate	10L/min
Max negative pressure/vacuum	0.075Mpa
Nozzle I.D./O.D.	5mm/8mm
Tube I.D./O.D.	6mm/11mm
Tube length	70cm
Diaphragm Valve	Rubber
Protection function	Overload protection, over temperature protection, short circuit protection
Power	20W
Voltage	AC100-240V
Dimension	192*100*135mm

6L Mini Vacuum Pump



SPD 9-speed regulation

LCD Digital display speed control knob

Mini portable, strong power

Steady motion

TECHNICAL DATA

Model	VP-6L	Pumping Rate	6L / Min
Type	Negative pressure suction	Ultimate Vacuum	0.06Mpa
Control Type	Digital display knob · 9 speeds	Power	10W
Noise level	＜40DB	Voltage	AC100-240V

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BALANCE



Electronic Balance



PCS Counting

Unit conversion

TECHNICAL DATA

Model	Max Capacity	Accuracy	Pan Size(mm)	Dimensions(mm)
JNB50001	5000g	0.1g	160*180	280*200*80
JNB100001	10000g	0.1g	160*180	280*200*80
JNB150001	15000g	0.1g	160*180	280*200*80
JNB200001	20000g	0.1g	175*160	280*200*80
JNB300001	30000g	0.1g	175*160	280*200*80
JNB2001	200g	0.1g	115	280*200*160
JNB5001	500g	0.1g	128	280*200*160
JNB10001	1000g	0.1g	128	280*200*160
JNB12001	1200g	0.1g	128	280*200*160
JNB20001	2000g	0.1g	128	280*200*160
JNB30001	3000g	0.1g	128	280*200*160
JNB1002	100g	0.01g	115	280*200*160
JNB5002	500g	0.01g	128	280*200*160
JNB10002	1000g	0.01g	128	280*200*160
JNB20002	2000g	0.01g	128	280*200*160
JNB30002	3000g	0.01g	128	280*200*160
JNB1003	100g	0.001g	90	280*200*160
JNB2003	200g	0.001g	90	280*200*160

0.01mg Dual Range Balance



RS232 / USB

Unit conversion

TECHNICAL DATA

Model	CEB1035	CEB2055	CEB2055N
Max Capacity	120g / 31g	220g / 51g	220g / 51g
Min Readout	0.1mg / 0.01mg		
Accuracy	0.1mg / 0.01mg		
Repeatability	±0.1mg / ±0.03mg		
Linearity Error	±0.2mg / ±0.03mg		
Stability Time	about 2S / 3S		
Weighing unit	g/oz/ct/mg/custom		
Working Temp.	30 - 60min		
Pan Size	φ90mm		
Dimensions	430*320*415 mm		
Calibration Mode	Internal calibration(CEB****N) / External calibration(CEB****)		
Communication Interface	RS232 / USB		

* CEB-N series Internal calibration balance

0.0001g Balance





- LED display
- Unit conversion
- Multi-device printing
  Standard RS232 interface
- Full electromagnetic
  interference protection

TECHNICAL DATA

Model	FA1004 FA1004N	FA1204 FA1204N	FA2004 FA2004N	FA2204 FA2204N
Max Capacity	100g	120g	200g	220g
Min Readout	0.01g			
Accuracy	0.1mg			
Repeatability	±0.0002g			
Linearity Error	±0.0003g			
Stability Time	≤ 3S			
Working Temp.	15℃ ~ 35℃			
Pan Size	Standard model φ80mm / Optional model φ90mm			
Dimensions	300*200*295 mm			
Calibration Mode	Internal calibration(FA****N) / External calibration(FA****)			
Communication Interface	RS232(USB interface optional)			

* FA-N series Internal calibration balance

0.001g Balance



Dual screen display

Unit conversion

Multi-device printing
Standard RS232 interfac

Full electromagnetic
interference protection

TECHNICAL DATA

Model	FA2003 FA2003S	FA3003 FA3003S	FA5003 FA5003S
Max Capacity	200g	300g	500g
Min Readout	20mg		
Accuracy	0.001g		
Repeatability	±0.002g		
Linearity Error	±0.002g		
Stability Time	≤ 3S		
Working Temp.	15℃ ~ 35℃		
Pan Size	φ90mm		
Dimensions	375*255*340 mm		
Calibration Mode	single display+RS232(FA****)/dual display+RS232+USB (FA****S)		
Communication Interface	RS232(USB interface optional)		
Power	5W		

Moisture Analyzer



- Multiple protections, more secure
- Two calibration modes
- High-efficiency halogen heating lamp
- Multi-device printing, standard RS232 interface

TECHNICAL DATA

Model	MBA1102	MBA1102a	MBA1103	MBA1103(HBM)
Max Capacity	110g			
Weighing Precision	0.01g	0.005g	0.001g	0.001g
Sensor	Load Cell	Load Cell	Load Cell	HBM
Temp.Sensor	PT-100-2			
Temp.Range	40℃-160℃			
Temp.Setting / Display Accuracy	1℃			
Pan Size	φ96mm			
Moisture / Testing Range	90.00%-10.00%	95.00%-5.00%	100.00%-0.00%	100.00%-0.00%
Moisture / DRY% Readability	0.1%	0.05%	0.01%	0.01%
Operate.Temp	5℃-35℃			
Language	CN/EN			
Dimension	336*185*165mm			

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Multi Water Quality Analyzer



PH/DO/EC meter



Temp compensation

Storage



TECHNICAL DATA

Product name			PH	EC	DO
Model			PH 300Pro	EC 300Pro	DO 300Pro
	Measurement parameters	pH/mV.℃	√	–	–
		mV(ORP).℃	√	–	–
		Cond/TDS/Sal./Res.℃	–	√	–
		Dissolved oxygen DO	–	–	–
Temp	Measuring range	(-5~110)℃/(23.0~230.0)℉	√	√	√
	Accuracy	±0.2℃	√	√	√
pH	Measuring range	(-2.00~18.00)pH	√	–	–
	Resolution	0.1/0.01	√	–	–
	Accuracy	Device: ±0.01pH	√	–	–
	Calibration points	1~3 points auto calibration	√	–	–
	Temp auto compensation	(-5~110)℃/(23.0~230.0)℉	√	–	–
OPR (Electrode Optional)	Measuring range	-1999.9~+1999.9mV	√	–	–
	Resolution	1mV	√	–	–
	Accuracy	±0.1% FS ±one digit	√	–	–
Electrical conductivity	Measuring range	0~200.0mS/cm,Auto-Ranging: 0~19.999μS/cm;20.0~199.9μS/cm; 200~1999μS/cm;2.00~19.99mS/cm; 20.00~199.9mS/cm; TDS: 0~100.0g/L(Adjustable coefficient) Resistivity：5.000Ω·cm~100MΩ·cm Salinity：(0.00~100.00)ppt	–	√	–
	Calibration points	1 point	–	√	–
	Resolution	0.001	–	√	–
	Temp compensation	(0.0~50.0)℃/(32.0~122.0)℉ Automatic	–	√	–
	Accuracy	±1.0%FS	–	√	–
Dissolved oxygen DO	Measuring range	(0.00~20.00)mg/L	–	–	√
	Accuracy	±0.30mg/L	–	–	√
	Dissolved oxygen saturation	(0.0~200.0)%	–	–	√
	Pressure compensation	(0~200.0)kPa Automatic	–	–	√
	Temp compensation	(0.0~50.0)℃/(32.0~122.0)℉ Automatic	–	–	√
	Salinity compensation	0~45ppt Manual	–	–	√

Multi Water Quality Analyzer



Temp compensation

Storage



TECHNICAL DATA

Product name			Dual-purpose	Triple-purpose
Model			PC 300Pro	PC 300Pro
Measurement parameters		pH/mV.℃	√	√
		mV(ORP).℃	√	√
		Cond/TDS/Sal./Res.℃	√	√
		Dissolved oxygen DO	–	√
Temp	Measuring range	(-5~110)℃/(23.0~230.0)℉	√	√
	Accuracy	±0.2℃	√	√
pH	Measuring range	(-2.00~18.00)pH	√	√
	Resolution	0.1/0.01	√	√
	Accuracy	Device: ±0.01pH	√	√
	Calibration points	1~3 points auto calibration	√	√
	Temp auto compensation	(-5~110)℃/(23.0~230.0)℉	√	√
OPR (Electrode Optional)	Measuring range	-1999.9~+1999.9mV	√	√
	Resolution	1mV	√	√
	Accuracy	±0.1% FS ±one digit	√	√
Electrical conductivity	Measuring range	0~200.0mS/cm,Auto-Ranging: 0~19.999μS/cm;20.0~199.9μS/cm; 200~1999μS/cm;2.00~19.99mS/cm; 20.00~199.9mS/cm; TDS: 0~100.0g/L(Adjustable coefficient) Resistivity：5.000Ω·cm~100MΩ·cm Salinity：(0.00~100.00)ppt	√	√
	Calibration points	1 point	√	√
	Resolution	0.001	√	√
	Temp compensation	(0.0~50.0)℃/(32.0~122.0)℉ Automatic	√	√
	Accuracy	±1.0%FS	√	√
Dissolved oxygen DO	Measuring range	(0.00~20.00)mg/L	–	√
	Accuracy	±0.30mg/L	–	√
	Dissolved oxygen saturation	(0.0~200.0)%	–	√
	Pressure compensation	(0~200.0)kPa Automatic	–	√
	Temp compensation	(0.0~50.0)℃/(32.0~122.0)℉ Automatic	–	√
	Salinity compensation	0~45ppt Manual	–	√

ULTRASONIC CLEANING MACHINE

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Ultrasonic cleaning machine



Strengthening Oscillation

All-around cleaning

TECHNICAL DATA

Model	UCD20D	UCD30D	UCD60D
Tank capacity	2L	3L	6L
Operating frequency		40KHZ	
Number of vibration heads	1	2	3
Timing range		0~60min	
Settable temperature		RT-80℃	
Ultrasonic power	60W	120W	180W
Heating		Yes	
Degassing function		Yes	
Handles	No	Yes	Yes
Inner Tank size(mm)	150*138*100	238*138*100	302*152*150
Overall dimensions(mm)·	161*149*217	251*149*217	311*161*272

Ultrasonic cleaning machine



Strengthening Oscillation

360° All-around cleaning

TECHNICAL DATA

Model	UCD100D	UCD150D	UCD200D	UCD300D
Tank capacity	10L	15L	20L	28L
Operating frequency	40KHZ			
Number of vibration heads	4	6	6	6
Timing range	0-60min			
Settable temperature	RT-80℃			
Ultrasonic power	240W		360W	480W
Heating	Yes			
Degassing function	Yes			
Drain valve	Yes			
Handles	Yes			
Inner Tank size(mm)	302*239*150	325*295*150	498*296*150	502*298*200
Overall dimensions(mm)	308*248*315	251*149*217	510*308*343	510*308*343



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