

Shaker

Orbital and Linear Shaker

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



Features:

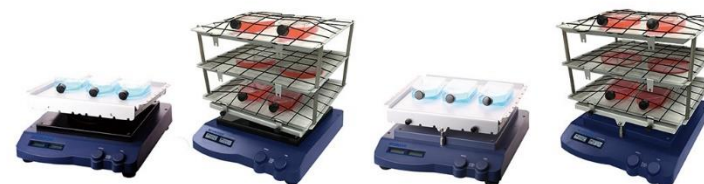
- * Double LCDs for independent display of time and speed.
- * Over speed detection and protection.
- * Different platforms and fixtures for selection.
- * Remote function provides PC control and data transmission.

Technical Parameters:

Model	SK-O330-Pro	SK-L330-Pro	SK-O180-Pro	SK-L180-Pro
Item No.	8032220100	8032120100	8032210100	8032110100
Shaking Motion	Orbital	Linear	Orbital	Linear
Orbital Diameter	10mm	/	4mm	/
Amplitude	/	10mm	/	4mm
Max. Shaking Weight (with attachment)	7.5kg		2.5kg	
Motor Type	Brushless DC motor			
Motor Input	28W			
Motor Output	15W			
Speed Range	100-500rpm	100-350rpm	100-800rpm	100-350rpm
Speed And Timer Display	LCD			
Time Range	1~1199min			
Operation Mode	Continuous/timed operation			
Working Environment	5~40°C, 80%RH			
Protection Type	IP21			
Connection Interface	RS232			
Consumption	30W			
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)			
Standard Accessory	1pc SK330.1 universal attachment		1pc SK180.1 universal attachment	
External Size(W*D*H)	420*370*100mm		340*300*100mm	
Package Size(W*D*H)	600*500*230mm (Shaker)		450*450*300mm (Shaker)	
	450*350*260mm (Accessory)		450*350*260mm (Accessory)	
Gross Weight	15kg (Shaker), 3kg (Accessory)		10kg (Shaker), 3kg (Accessory)	

3D and Rocking Shaker

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



SK-D3309-Pro

SK-R330-Pro

Features:

- * Double LCDs for independent display of time and speed.
- * Different platforms and fixtures for selection.
- * 3D shaker: gentle 3D motion with fixed angle 9°; Rocking shaker: smooth see-saw rocking motion with fixed angle 9°.
- * Wide range of platforms for use with a variety of vessels.

Technical Parameters:

Model	SK-D3309-Pro	SK-R330-Pro
Item No.	8032422100	8032322100
Rocking Motion	3D orbital	See-saw rocking
Angle	9°	
Max. Load Capacity (with attachment)	5kg	10kg
Motor Type	DC motor	
Speed Range	10~70rpm	
Speed And Timer Display	LCD	
Time Range	1~1199min	
Operation Mode	Continuous/ timed operation	
Working Environment	5~40°C, 80%RH	
Motor Input	IP21	
Motor Output	40W	
Protection Type	24W	
Consumption	50W	
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)	
Standard Accessory	1pc SK330.5 petri dish platform	
External Size(W*D*H)	360*430*106mm	360*410*200mm
Package Size(W*D*H)	710*500*460mm	560*490*350mm
Gross Weight	20kg	15.5kg

Microplate Shaker

Description:

BK-MS200 Thermo Shaker for Microplates is with technique of direct brushless DC motor and PID intelligent temperature control. It is mainly used for shaking and cultivation in Elisa plates (96/384 wells), tissue culture plates(24/48/96 wells).

Features:

- ①. LCD displays system status and parameters.
- ②. Stable and reliable operation with high quality switch.
- ③. Easy to operate with one touch knob.
- ④. Setup the time within 0~100 hours, instrument will make alarm voice when completing.
- ⑤. With power recovery, instrument will continue to run when power recovers from outage.
- ⑥. 12-month warranty.
- ⑦. The mechanism of the incubator-heated base and cover



Parameters:

Model	BK-MS200
Temp. Control Range	RT.+5℃~80℃
Timing Range	1min ~ 99h59min
Temp. Accuracy	≤±0.5℃
Display Accuracy	0.1℃
Temp Uniformity	≤±0.5℃
Shaking Speed	200-1600rpm
Orbit	3mm
Capacity	2pcs microplates or culture plates
Power Supply	150W
Voltage	AC100V~240V 50/60Hz
Heating Time	≤10min (from RT. to 80℃)
Dimension	280×270×140mm
Net Weight	7kg
Package Size(W*D*H)	440*360*260mm
Gross Weight	7.5kg

Microplate Shaker

Description:

BK-MS300 Thermo Shaker for Microplates is a multipurpose thermostatic shaker controlled by brushless DC motor and PID intelligent temperature control technology. The PID fuzzy control technology can be accurate to ensure that the temperature control precision and automatically adjust the heating rate, reduce waiting time.

BK-MS300 combines constant temperature and oscillation perfectly together, greatly shorten the experimental operation time, which is the ideal automation tool for samples hatching, catalytic reaction process of preserving, blending, save and etc.

Features:

- ①. Easy to set up and use, all information real-time display and showing set up operation, convenient to observe equipment running status.
- ②. Support standard microplates and deep well plates.
- ③. Brushless DC motor, low noise, small interference, free maintenance.
- ④. Automatic preheating function.
- ⑤. Automatic power recovery function.
- ⑥. Temperature calibration function.
- ⑦. Built-in software and hardware over temperature protection device, will use more reliable.



Parameters:

Model	BK-MS300
Temp. Setting Range	0~80℃
Temp. Control Range	RT+5℃~80℃
Timing Range	1min ~ 99h59min/∞
Temp. Accuracy	≤±0.5℃
Display Accuracy	0.1℃
Temp Uniformity	≤±0.5℃
Shaking Speed	300~1350rpm
Orbit	3mm
Auto Preheating	Yes
Auto Resume to Run	Yes
Capacity	4Microplates or deep-well plates
Power Supply	300W
Voltage	AC220V or AC110V, 50/60Hz
Heating Time	≤10 min (from 25℃ to 80℃)
Dimension	340*320*200mm
Net Weight	9.5kg
Package Size(W*D*H)	490*450*315mm
Gross Weight	11.5kg

Large Capacity Shaker

Double-layer Shaker



SK-3112



SK-3222



SK-3332

Three-layer Shaker



SK-3432

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

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

Features:

- * Soft shaking mode, stable and reliable operation.
- * The operating parameters are encrypted and locked to avoid human mis-operation.
- * Automatic operation, auto-stop, timing, time display, parameters memory and recovery function.
- * Automatic power-off protection system when the motor is overheating and temperature is out of control.

Technical Parameters:

Model	SK-3112	SK-3222	SK-3332	SK-3432
Controller	PID			
Display	LCD			
Circulation Mode	Natural convection			
Shaking Mode	Rotary shaking			
Drive Mode	Unishaft drive		Multidimensional driving	
Rotating Speed	30~300 rpm			
Rotating Accuracy	±1rpm			
Vibration Range	Φ50mm			
Timing Range	0 ~999.59min			
Shaking Plate Size	840*620mm	1108*740mm	1080*680 mm	1080*680 mm
Shaking Plate Quantity	2 pcs		4 pcs	6 pcs
Standard Capacity (Clamps)	250ml*54	250ml*96	250ml*150	250ml*225
	500ml*35	500ml*60	500ml*108	500ml*162
Optional Flask Clamps	250ml*108 or	250ml*192 or	250ml*300 or	250ml*450 or
	500ml*70 or	500ml*120 or	500ml*216 or	500ml*324 or
	1000ml*48	1000ml*80	1000ml*112	1000ml*168
External Material	Cold-rolled steel with anti-bacterial powder coating			
Power Supply	AC110/220V±10%, 50/60Hz			
Consumption	250W		1100W	
External Size(W*D*H) mm	910*680*820	1270*810*820	1590*1120*950	1509*1120*1310
Package Size(W*D*H) mm	1100*800*1040	1360*930*1100	1730*1240*1280	1730*1240*1520
Gross Weight(kg)	358	535	789	800

Denaturation & Hybridization System



Features:

- * This instrument is adopted FISH processing step, which can reduce a lot of manual operating time and avoid the damage of harmful reagent.
- * Full touch screen operation, friendly human interface.
- * Support restart functionality runs an unexpected power outage, when power is restored can be scheduled to automatically back up and running.
- * Supporting automatic cooling function after running over.
- * Supporting automatic warm-up function.
- * Platform high precision of temperature control, low fluctuation.
- * Can deal with 12 slides.
- * Support 105 custom programs stored functions.
- * Integrated denaturation and hybridization, hybrid, multiple-step operation three modes of operation.

Technical Parameters:

Model	BK-DH2000
Temperature Control Range	RT+5°C~100°C
Temperature Setting Range	0°C~100°C
Capacity	12 Slides
Temperature Accuracy	±1°C
Temperature Uniformity	±1°C
Timing Range	1min~99h59min
Heating Time(37°C to 95°C)	≤2min
Cooling Time(95°C to 45°C)	≤6min
Power	350w
Power Supply	220V/50/60Hz
External Size(L*W*H)	440*220*120mm
Packing Size(W*D*H)	580*370*300mm
Gross Weight	7kg

Thermo Shaker Incubator



Features:

- * LCD display. It is easy to setup and use.
- * Reliable design with inner extra temperature protection.
- * Each thermo shaker is equipped with lifter that is easy to replace different blocks.
- * Digital accuracy and convenience.
- * Precision wells for uniform thermal transfer.
- * Assorted blocks for a wide variety of tube sizes.
- * Brushless DC Motor: noiseless long service life maintenance-free.
- * Conform to CE safety standard.
- * Accurately control and display time, temperature and speed.

Technical Parameters:

Model	BK-TS110	Model	BK-TS110
Temperature Setting Range	0°C~100°C	Auto Heating	Yes
Temperature Control Range	RT~20°C~100°C	Auto Resume To Run	Yes
Timing Range	1min~99h59min/∞	Power Supply	150w
Temperature Accuracy	±0.3°C	Fuse	250V 3A Φ5×20
Temperature Uniformity	±0.3°C	Heating Time	≤15min
Shaking Speed	200rpm~1500rpm	Cooling Time	≤15min(RT~RT-20°C); ≤10min (100°C~20°C)
Orbit	3mm	Voltage	AC110~220V/50~60Hz
Multi Point Running	Yes (Max 5points)	Dimension	260*195*150mm
Multi Cycle	Yes (Max 99times)	Packing Size(W*D*H)	410*320*310mm
Auto Running	Yes	Gross Weight	9.5kg
Storage At 4°C	Yes		

Optional Blocks:

Type	Test Tube Diameter	Type	Test Tube Diameter
B30	96*0.2ml	B36	24*5ml
B31	54*0.5ml	B37	15*10ml
B32	35*1.5ml	B38	12*15ml
B33	35*2.0ml	B39	6*50ml(round-shape bottom)
B34	15*0.5ml+20*1.5ml	B39-S	6*50ml(cone-shape bottom)
B35	96*0.2ml(elisa plate)	/	/

Microplates Shaker

Features:

- * LCD display system status and parameters.
- * Stable and reliable shaking.
- * Easy to operate with one touch knob.
- * Automatic fault detection and buzzer alarm function.
- * 12-month warranty.



Technical Parameters:

Model	BK-TS100
Time Range	1min~99h59min
Mixing Orbit	3mm
Sample Capacity	4plates
Power Supply Voltage	AC110~240V, 50/60Hz
Speed Range	200~1600rpm
Speed Step Value	10rpm
Consumption	45W
Dimension	280*270*140mm
Packing Size(W*D*H)	440*360*260mm
Weight	4.0kg
Gross Weight	6.5kg

Optional Accessories:

									
Cat. No.	18900027	18900040	18900155	18900028	18900025	18900038	18900185	18900026	18900200
Model	SK330.1	SK330.3	SK330.5	SK330.2	SK180.1	SK180.3	SK180.4	SK180.2	SK180.6
Descriptions	Universal attachment with 4 bars	Lengthways roller attachment	Petri dish platform with non-slip mat and fixed string (8 pcs)	Fixing clip attachment	Universal attachment with 3 bars	Lengthways roller attachment	Petri dish platform with non-slip mat	Fixing clip attachment	Dish attachment with non-slip mat
	Size(W*D): 320*320mm	Size(W*D): 320*320mm	Size(W*D): 300*285mm		Size(W*D): 250*245mm	Size(W*D): 250*245mm	Size(W*D): 240*215mm		Size(W*D): 280x280mm
Used with Shakers									
SK-R330-Pro	√	√	√	√	/	/	/	/	/
SK-D3309-Pro	√	√	√	√	/	/	/	/	/
SK-O330-Pro/ SK-L330-Pro	√	√	√	√	/	/	/	/	/
SK-O180-Pro/ SK-L180-Pro	/	/	/	/	√	√	√	√	√

								
Cat. No.	18900029	18900030	18900031	18900032	18900033	18900036	18900037	18900280
Descriptions	Fixing clip for flask volume 25ml, used with SK330.2 (56pcs)&SK 180.2 (36pcs)	Fixing clip for flask volume 50ml, used with SK330.2 (28pcs)&SK 180.2 (18pcs)	Fixing clip for flask volume 100ml, used with SK330.2 (28pcs) & SK180.2 (18pcs)	Fixing clip for flask volume 200ml/250ml, used with SK330.2 (13pcs) & SK180.2 (8pcs)	Fixing clip for flask volume 500ml, used with SK330.2 (9pcs) & SK180.2 (8pcs)	Bar for SK330.1 universal attachment	Bar for SK180.1 universal attachment	Connect sticks for double dishes shaker
Used with Shakers								
SK-R330-Pro	√	√	√	√	√	√	/	√
SK-D3309-Pro	√	√	√	√	√	√	/	√
SK-O330-Pro/ SK-L330-Pro	√	√	√	√	√	√	/	√
SK-O180-Pro/ SK-L180-Pro	√	√	√	√	√	/	√	√

Wrist Shaker



Features:

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

Technical Parameters:

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

Small Capacity Shaker

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

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



SK-300D (Table Top)



SK-311D/TD



SK-322D/TD

Features:

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

Technical Parameters:

Model	SK-300D	SK-311D	SK-311TD	SK-322D	SK-322TD
Controller	PID				
Display	LCD				
Circulation Mode	Natural convection				
Shaking Mode	Rotatory shaking				
Drive Mode	Unishaft drive				
Rotating Speed	30~300rpm	30~300rpm	30~250rpm	30~300rpm	30~250rpm
Rotating Accuracy	±1rpm				
Vibration Range	Φ50mm	Φ50mm	Φ100mm	Φ50mm	Φ100mm
Timing Range	0 ~999.59hours				
Shaking Plate Size	680*500mm	840*620mm	840*620mm	1108*740mm	1108*740mm
Standard Capacity (Clamps)	250ml*30	250ml*54		250ml*96	
Optional Flask Clamps	250ml*30 or	250ml*54 or		250ml*96 or	
	500ml*24 or	500ml*35 or		500ml*60 or	
	1000ml*15 or	1000ml*24 or		1000ml*40 or	
	5000ml*4	5000ml*6		5000ml*12	
External Material	Cold-rolled steel with anti-bacterial powder coating				
Consumption	70W	150W	150W	280W	280W
Power Supply	AC110/220V±10%, 50/60Hz				
External Size (W*D*H)mm	680*615*300	900*650*480	900*650*480	1210*775*480	1210*775*480
Package Size (W*D*H)mm	940*730*880	1010*800*650	1010*800*650	1320*920*640	1320*920*640
Gross Weight(kg)	120	245	245	355	355

Mixer

Vortex Mixer



Features:

- * Touch operation or continuous mode.
- * Variable speed control from 0 to 2500rpm (MX-S).
- * Fixed Speed 2500rpm (MX-F).
- * Used for various mixing applications with optional adapters (MX-S).
- * Specially designed vacuum suction feet for body stability.
- * Robust aluminum-cast construction.
- * When the test tube adapter or flat gasket accessory is selected, it must be matched with VT1.2 or VT1.3.

Accessories for MX-S:

Technical Parameters:

Model	MX-S	MX-F
Item No.	8031102000	8031101000
Shaking Mode	Orbital	
Orbital Diameter	4mm	
Motor Type	Shaded pole motor	
Motor Input	58W	
Motor Output	10W	
Speed Range	0~2500rpm	2500rpm
Speed Display	Scale	/
Operation Mode	Continuous/touch operation	
Ambient Temp.	5~40℃	
Relative Humidity	80%	
Protection Type	IP21	
Power Consumption	60W	
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)	
Standard Accessories	VT1.1 Standard top	
External Size(W*D*H)	127*160*130mm	
Package Size(W*D*H)	470*450*230mm	
Gross Weight	5kg	

Optional Accessories:

Accessories	MX-S (0~2500rpm)
	Touch Mode (High Speed Area)
	Continuous Mode (Low Speed Area)
VT1.1	Standard
VT1.2 + VT1.3.1	Optional
VT1.2 + VT1.3.2	Optional
VT1.2 + VT1.3.3	Optional
VT1.2 + VT1.3.4	Optional
VT1.2 + VT1.3.5	Optional
VT1.3 + VT1.3.6	Optional
VT1.3 + VT1.3.1	/
VT1.3 + VT1.3.2	/
VT1.3 + VT1.3.3	/
VT1.3 + VT1.3.4	/
VT1.3 + VT1.3.5	/

Application of accessories:

Cat. No.	P/N
18900034	VT1.1
18900044	VT1.2
18900505	VT1.3+VT1.3.7
18900020	VT1.3.1
18900021	VT1.3.2
18900395	VT1.3.8
18900022	VT1.3.3
18900023	VT1.3.4
18900024	VT1.3.5
18900043	VT1.3.6
18900158	VT1.3.7

Microplate Mixer



MX-M
With microplate clamp



MX-M
with universal top plate and
a tube adapter

Features:

- * A wide range of speed from 0 to 1500rpm.
- * Used for various mixing applications with optional adapters.
- * Maintenance-free brushless DC motor.
- * When the test tube adapter is selected, it must be matched with PS1.1.

Accessories:



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



Cat. No: 18900079
MXM-116 Double
microplate clamps



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



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



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



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



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



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

Technical Parameters:

Model	MX-M
Item No.	8031202000
Shaking Mode	Orbital
Orbital Diameter	4.5mm
Max. Shaking Weight(with attachments)	0.5kg
Motor Type	DC brushless motor
Motor Input	18W
Motor Output	10W
Speed Range	0~1500rpm (single microplate) ; 0~1000rpm (double microplate)
Speed Display	Scale
Ambient Temp.	5~40℃
Relative Humidity	80%
Protection Type	IP21
Power Consumption	20W
Power Supply	AC110/220V±10%, 50/60Hz(Customizable)
Standard Accessories	18900042
External Size(W*D*H)	260*150*80mm
Package Size(W*D*H)	440*450*300mm
Gross Weight	5kg

Roller Mixer

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



MX-T6-S



MX-T6-Pro

Features:

- * LCD display indicates the speed and time for MX-T6-Pro.
- * Speed range of 10-70rpm.
- * Six roller design for gentle rolling and easy to clean.

Technical Parameters:

Model	MX-T6-S	MX-T6-Pro
Item No.	8031312000	8031312100
Mixing Mode	Rocking & Rolling	
Speed Range	0~70 rpm	10~70 rpm
Rocking Amplitude	24mm	
Number of Roller	6 pcs	
Roller Length	280mm	
Max. Loading Weight	4kg	
Timing Range	/	1~1199min
Operation Mode	Continuous	Continuous or timing
Speed Display	Scale	LCD
Timer	/	Yes
Timer display	/	LCD
Motor Type	DC motor	
Ambient Temp.	5~40℃	
Relative Humidity	80%	
Protection Type	IP21	
Power Consumption	25W	30W
Power Supply	AC110/220V±10%, 50/60Hz(Customizable)	
External Size(W*D*H)	260*450*120mm	
Package Size(W*D*H)	400*600*260mm	
Gross Weight	6.5kg	8kg

Rotating Mixer



MX-RD-E



MX-RD-Pro

Features:

- * LCD display of speed and time(MX-RD-Pro).
- * Adjustable mixing angle from 0 to 90°(MX-RD-Pro).
- * Material of the plate: Stainless steel with oxidation coating (MX-RD-E), Stainless Steel (MX-RD-Pro).
- * Material of the clip: Plastic (MX-RD-E), Stainless Steel (MX-RD-Pro).
- * Speed range from 10 to 70rpm(MX-RD-Pro).Adjustable speed range from 0 to 80rpm(MX-RD-E).
- * A wide variety of accessories are available.

Accessories for MX-RD-Pro: (Only 18900162 is standard accessory)



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



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



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



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



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



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

Technical Parameters:

Model	MX-RD-E	MX-RD-Pro
Item No.	8031412000	8031412100
Speed Range	0~80rpm	10~70rpm
Inclining Angle Range	/	0°~90°
Timing Range	/	1~1199min
Operation Mode	Continuous	Continuous or Timing
Display	Scale	LCD
Motor Type	DC motor	
Ambient Temp.	5-40℃	
Relative Humidity	80%	
Protection Type	IP21	
Consumption	20W	40W
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)	
Standard Accessories	18900327 and 18900328 and 18900329	18900162
External Size(W*D*H)	220*300*310mm	210*280*300mm
Package Size(W*D*H)	370*450*420mm	370*400*410mm
Gross Weight	5kg	7kg

Vertical Rotating Mixer



MX-RL-E



MX-RL-Pro

Features:

- * Electronic adjustment of speed and time(MX-RL-Pro).
- * LCD display indicates the speed and time for MX-RL-Pro.
- * Speed range from 10 to 70rpm(MX-RL-Pro),adjustable speed range from 0 to 80 rpm(MX-RL-E).
- * Material of the tube holder: Stainless steel with oxidation coating (MX-RL-E), Stainless Steel (MX-RL-Pro).
- * Material of the clip: Plastic (MX-RL-E), Stainless Steel (MX-RL-Pro).
- * Three clip sizes are selectable, suit for the tubes: 1.5ml, 15ml, 50ml.
- * A wide variety of accessories are available.



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



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

Optional Tube Holder for MX-RL-Pro: (18900147 or 18900145 can be selected as the standard accessory)



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



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



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



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



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



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

Technical Parameters:

Model	MX-RL-E	MX-RL-Pro
Item No.	8031402000	8031402100
Speed Range	0~80rpm	10~70rpm
Timing Range	/	1~1199min
Operation Mode	Continuous	Continuous or Timing
Display	Scale	LCD
Motor Type	DC motor	
Ambient Temp.	5-40℃	
Relative Humidity	80%	
Protection Type	IP21	
Consumption	20W	40W
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)	
Standard Accessories	18900327 and 18900328 and 18900329	18900147 or 18900145
External Size(W*D*H)	530*150*190mm	510*220*260mm
Package Size(W*D*H)	800*350*420mm	800*350*420mm
Gross Weight	10kg	11kg

Stirrer

Hotplate Magnetic Stirrer

Features of BS-2H/3H:

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



BS-2H



BS-3H

Features of BS-4H/4HC:

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



BS-4H



BS-4HC

Technical Parameters:

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

Hotplate Magnetic Stirrer



MYP11-2



MYP11-2A



SH05-3G



X85-2



X85-2S

Technical Parameters:

Model	MYP11-2	MYP11-2A	SH05-3G	X85-2	X85-2S
Work Plate Size	φ145mm		φ175mm	φ145mm	
Work Plate Material	Aluminum alloy		Stainless steel	Aluminum alloy	
Max. Stirring Capacity	5L		10L	5L	
Motor Type	Brushless DC motor				
Motor Output	15W			10W	
Speed Range	0~1500rpm				
Digital Display	Speed, temperature, time			/	Speed
Control	Button	Knob + Button	Button	Knob	
Heating Output	600W		800W	600W	
Heating Temp. Range	RT~320℃		RT~250℃	50~300℃	
Temp. Accuracy	±0.5℃		±1℃	/	
Timing Range	1~9999min		1~250min	/	
Power Supply	AC220V±10%, 50/60Hz				
External Size(W*D*H) mm	280*160*90		330*190*130	250*150*135	
Package Size(W*D*H) mm	380*300*190		430*330*230	360*290*240	
Gross Weight(kg)	4.5		7	6	

Hotplate Magnetic Stirrer



Technical Parameters:

Model	MS7-H550-Pro	MS7-H550-S	MS-H-Pro+	MS-H-Prot	MS-H-S	MS-H280-Pro
Item No.	8030122111	8030122211	8030101110	8030201110	8030211010	8030101212
Work Plate Size	184*184mm (7 inch)		φ135mm (5 inch)			
Work Plate Material	Glass ceramic		Stainless steel with ceramic coated			
Max. Stirring Capacity	20L		10L			3L
Motor Type	Brushless DC motor		Shaded pole motor			
Motor Input	18W		15W			5W
Motor Output	10W		1.5W			3W
Speed Range	100~1500rpm		0~1500 rpm		100~1500rpm	200~1500rpm
Speed Display	LCD		Scale		Scale	LED
Speed Display Accuracy	±1rpm		/		±1rpm	±1rpm
Heating Output	1000W		500W			
Heating Temp. Range	RT-550°C, increment 1°C		RT-550°C, increment 5°C		RT-340°C	RT-280°C, increment 1°C
Control Temp. Accuracy	±1°C(<100°C) ±1%(>100°C)		±10°C		±1°C(<100°C) ±1%(>100°C)	±1°C(<100°C) ±1%(>100°C)
Overheating Protection	580°C		420°C			320°C
Temp. Display	LCD		LED		Scale	LED
Display Temp. Accuracy	±0.1°C		±1°C		/	±1°C
Timing Range	/		1~99h59min		/	/
External Temp. Sensor	PT1000 (accuracy ±0.2°C)		/		/	PT1000 (accuracy ±0.5°C)
"Hot" Warning	50°C		/		/	50°C
Max. Stirrer Bar Length	80mm		/		/	50mm
Interface	RS232		/		RS232	/
Protection Type	IP21		IP42		IP21	
Working Environment	5-40°C, 80%RH		/		/	
Power Consumption	1050W		1030W		550W	530W
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)		/		515W	
External Size(W*D*H)	215*360*112mm		160*280*85mm		150*260*80mm	
Package Size(W*D*H)	450*350*260mm		470*310*430mm		450*350*260mm	
Gross Weight	7kg		6kg		5kg	

Magnetic Stirrer



MS-S

MS-PA

MS-PB

Technical Parameters:

Model	MS-S	MS-PA	MS-PB
Work Plate Size	φ135mm (5 inch)		
Item No.	8030211000	8030284200	8030294000
Work Plate Material	Stainless steel with ceramic coated		Nylon + GF
Max. Stirring Capacity	20L		3L
Motor Type	Brushless DC motor		
Motor Input	18W		5W
Motor Output	10W		3W
Speed Range	0~1500rpm		
Speed Display	Scale	LED	Scale
Max. Stirrer Bar Length	80mm		50mm
Working Environment	5~40°C, 80%RH		10~40°C, 80%RH
Protection Type	IP42		
Power Consumption	30W		15W
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)		
External Size(W*D*H)	160*280*85mm		150*260*80mm
Package Size(W*D*H)	690*410*260mm		450*350*260mm
Gross Weight	4kg		3kg

Overhead Stirrer



OS40-S/OS20-S
LED Overhead Stirrer



OS40-S/OS20-S
with universal plate stand



OS40-Pro/OS20-Pro
LCD Overhead Stirrer

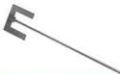


OS40-Pro/OS20-Pro
with universal plate stand

Technical Parameters:

Model	OS40-S	OS20-S	OS40-Pro	OS20-Pro
Item No.	8033200200	8033100200	8033200100	8033100100
Max. Stirring Capacity	40L	20L	40L	20L
Motor Input	120W	60W	120W	60W
Motor Output	100W	50W	100W	50W
Speed Range	50~2200rpm			
Speed Control Accuracy	/		±3rpm	
Speed Display	LED		LCD	
Max. Torque	60N·cm	40N·cm	60N·cm	40N·cm
Torque Display	/		LCD	
Overload Protection	Visual alarm, motor automatic stop			
Overload protection display	/		LCD	
Max. Viscosity	50000mPa·s	10000mPa·s	50000mPa·s	10000mPa·s
Chuck Diameter Range	0.5~10mm			
Protection Type	IP21			
Working Environment	5~40℃, 80%RH			
Interface	/		RS232	
Power Consumption	130W	70W	130W	70W
Power Supply	AC110/220V±10%, 50/60Hz (Customizable)			
Standard Accessory	/		Universal plate stand 18900258, Propeller stirrer 18900071	
External Size(W*D*H)	83*186*220mm			
Package Size(W*D*H)	Main body & Propeller stirrer: 480*380*450mm			
	Universal pate stand: 800*360*130mm			
Gross Weight	Main body & Propeller stirrer: 6kg			
	Universal pate stand: 8kg			

Optional Accessories:

				
Cat. No.	18900258	18900071	18900072	
Descriptions	Universal plate stand (W*D: 20*31cm), including support holder (H: 78cm) and fixing device	Propeller stirrer, shaft length 40cm, stirrer diameter 5cm, 316L stainless steel Standard stirring element, used at medium and high speeds	Straight stirrer, shaft length 40cm, stirrer diameter 6cm, 316L stainless steel Suitable for mixing of low viscosity media, used at medium and high speeds	
				
Cat. No.	18900073	18900074	18900075	
Descriptions	Paddle stirrer, shaft length 40cm, stirrer diameter 6.8cm, 316L stainless steel Gentle processing samples, used at low and medium speeds	Centrifugal stirrer, shaft length 40cm, stirrer diameter 9cm, 316L stainless steel Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds	Propeller stirrer, shaft length 35cm, stirrer diameter 6.5cm, PTFE coated Standard stirring element, used at medium and high speeds	
				
Cat. No.	18900076	18900077	18900078	
Descriptions	Straight stirrer, shaft length 35cm, stirrer diameter 7cm, PTFE coated Suitable for mixing of low viscosity media, used at medium and high speeds	Paddle stirrer, shaft length 35cm, stirrer diameter 6.8cm, PTFE coated Gentle processing samples, used at low and medium speeds	Centrifugal stirrer, shaft length 35cm, stirrer diameter 8.5cm, PTFE coated Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds	
				
Cat. No.	18900478	18900498	18900499	18900500
Descriptions	Crossed stirrer, shaft length 60cm, stirrer diameter 10cm, 316L stainless steel	Straight stirrer, shaft length 60cm, stirrer diameter 10cm, 316L stainless steel	Blade stirrer, shaft length 60cm, stirrer diameter 10cm, 316L stainless steel	Centrifugal stirrer, shaft length 60cm, stirrer diameter 10cm, 316L stainless steel

Magnetic Stirrer



Technical Parameters:

Model	98-2	H03-A	85-1	85-2A	90-1	90-1B	96-1	H01-2
Work Plate Material	Stainless steel							
Max. Stirring Capacity	10L		3L	5L	20L		50L	
Motor Type	Brushless DC motor							
Speed Range	0~2000rpm		0~1500rpm	0~2000rpm	0~2000rpm		0~1400rpm	
Digital Display	/	Speed	/	/	/	Speed	/	Speed
Control	Knob							
Motor Power	15W		8W	10W	40W		100W	
Power Supply	AC220V±10%, 50/60Hz							
External Size(W*D*H)mm	260*160*85	210*210*85	210*130*65	245*145*100	305*300*105		410*400*115	
Package Size(W*D*H)mm	450*300*250	400*400*250	400*260*215	380*300*220	510*430*250		550*550*220	
Gross Weight(kg)	8	7.5	5.5	7.5	10		20	

Multi-Position Magnetic Stirrer



Technical Parameters:

Model	MS-M-S10	MS-H-S10	84-1 (4 positions)	84-1 (6 positions)	524G	H01-1D
Work Plate Size	180*450mm		290*280mm	420*300mm	φ145mm	
Work Plate Material	Stainless steel with silicone film		Stainless steel		Aluminum alloy	Stainless steel
Max. Stirring Capacity	0.4L*10	0.4L*10	1.5L*4	1.5L*6	3L*4	3L*6
Motor Type	Brushless DC motor					
Speed Range	0~1100rpm		0~1500rpm		0~1400rpm	0~1500rpm
Digital Display	/		Speed		Speed, Temperature, Time	
Control	Scale		Knob		Button	Knob
Heating Output	/	470W	/		4*600W	6*360W
Heating Temp. Range	/	RT~120℃	/		RT~150℃	
Working Environment	5~40℃, 80%RH					
Power Supply	AC110/220V±10%, 50/60Hz		AC220V±10%, 50/60Hz			
External Size(W*D*H)	210*630*65mm		290*280*80mm	420*300*80mm	380*380*145mm	1005*230*130mm
Package Size(W*D*H)	400*700*260mm		540*350*180mm	670*380*180mm	520*520*240mm	1130*400*270mm
Gross Weight	7kg		8kg	12kg	15kg	35kg

		Stirrer bars and bar remover(PTFE), use below 150°C		
		Models		
		MS-H550-Pro MS-H550-S MS-H-Pro+ MS-H-Prot MS-H-S MS-S	MS-H280-Pro MS-PA MS-PB	MS-H-S10 MS-M-S10
Cat. No.	Size of magnetic bars (L*Ø) mm	Suitable for Max. magnetic bar 80mm	Suitable for Max. magnetic bar 50mm	Suitable for Max. magnetic bar 40mm
18900006	10*6	√	√	√
18900007	15*8	√	√	√
18900008	20*8	√	√	√
18900009	25*8	√	√	√
12500005	30*6	√	√	√
18900011	40*8	√	√	√
12500004	50*8	√	√	/
18900013	65*8	√	/	/
18900014	80*13	√	/	/
18900015	Magnetic bar remover, length of 200mm	√	√	√

					
Cat. No.	18900019	18900016	18900136	18900017	18900540
Descriptions	F101 protective cover, for hotplate models, temperature resistance of 135°C	PT1000-A, temperature sensor for digital hotplate models, length of 230mm	PT1000-B, temperature sensor with glass coated, length of 230mm, used for digital hotplate models	Support clamp of PT1000	Support clamp of PT1000, use with MS-H280-Pro
Model					
MS7-H550-Pro	/	√	√	√	/
MS7-H550-S	/	√	√	√	/
MS-H-Pro+	√	√	√	√	/
MS-H-Prot	√	√	√	√	/
MS-H-S	√	/	/	/	/
MS-H280-Pro	√	√	√	/	√

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