

Distilling & Mixing



Company profile

SCILOGEX, LLC based in USA which is a brand of innovative and unique laboratory products for all areas of research. Every product has been carefully selected for quality and priced to meet your budget so your lab can operate at its highest level of efficiency. Our goal is to provide great products, great prices and great service.

SCILOGEX Liquid Handling Products and Bench-top Instruments are available ONLY through our authorized distributor network. To locate a distributor in your area, please contact us. Our knowledgeable staff will be delighted to provide you with pre-purchase support and product recommendations.

Our Liquid Handling products come with a 1 year warranty and Bench-top Instruments come with a 2 year warranty and manufactured in an ISO9001 facility so you can purchase in confidence.

We thank you for your continued support and we look forward to bringing you new and exciting products at VERY competitive prices.



Visit SCILOGEX website at www.scilogex.com

Contents

New products for Y2012	2
Rotary Evaporator	4
BlueSpin Magnetic Hotplate Stirrer	6
BlueSpin Magnetic Stirrer	16
Overhead Stirrer	20
Mixer, Rotator and Roller	24
Shaker	30

SCIOLOGEX products are manufactured according to ISO9001 and ISO13485. All products comply with EU and North America standards, CE, cTUVus, FCC marked and subjected to the strict QC control.

SCIOLOGEX instruments are tested and conform to the following safety and EMC standards:

EN 61010-1
UL 3101-1
CAN/CSA C22.2(1010-1)
EN 61010-2-10
EN 61326-1
EMC-guidelines: 89/336/EEG
Instrument guidelines: 73/023/EEG



New products for Y2012



RE100-Pro Rotary Evaporator

- Easy to read large digital LCD screen displays heating temperature, speed and timing
- Speed range from 20 to 280 rpm
- Large 5L water-oil heating bath with heating temperature range of RT -180°C
- Heating bath with precise temperature control and adjustable safety circuit
- Features a detachable operating panel for remote control
- Patented condenser with excellent cooling effect

P4



iPette Electronic Pipette

- Single and multi channel units covering a volume range of 0.5 to 5000µl
- DC motor with build-in error control improves pipetting precision and provides more reliable results.
- 9 speeds for aspiration and dispensing
- Autoclavable lower part
- Wireless charging

New products released



- MS-H280-Pro**
BlueSpin LED Digital Magnetic Hotplate Stirrer
- Speed range of 0-1500 rpm
 - Max. stirring quantity 3L
 - Temperature sensor PT1000 controls actual temperature of sample
 - LED display temperature and speed
 - Stainless steel with corrosion-resistant coated or ceramic coated hotplate is optional
 - ABS casing with fire retardant material
 - 50°C HOT warning indicates residual hotplate temperature

P12



- MS-H-Pro+**
BlueSpin LCD Digital Magnetic Hotplate Stirrer
- Speed range of 100-1500 rpm
 - Max. stirring quantity 20L
 - Fully closed assembly effectively prevents the liquid flow into the unit
 - Optimized program and more simple touch panel, automatic identification of temperature sensor PT1000

P10



- MX-T6-Pro**
LCD Digital Tube Roller
- Max. speed of 70rpm
 - Rocking and rolling actions for complete mixing
 - LCD display for speed and timer adjustment. Speed and timer can be viewed simultaneously
 - Timing or continuous operation modes

P29



- MX-RL-Pro / MX-RD-Pro**
LCD Digital Rotator
- Digital control speed and LCD display timer and speed
 - Adjustable speed between 10 and 70rpm
 - Adjustable mixing angle between 0 and 90°
 - Use with a wide variety of accessories suitable for 1.5-50ml tubes
 - Timing and continuous operation modes

P27



- SK-R330-Pro**
LCD Digital Rocking Shaker
- Smooth see-saw rocking action with angle 9°
 - Digital speed control and LCD display speed and timer can be viewed simultaneously
 - Wide range of accessory platform to be used for variable size vessels
 - Built-in timer
 - Timing and continuous operation modes

P31



- SK-D3309-Pro / SK-D3307-Pro**
3D Shaker
- Wide range of accessory platform
 - LCD display for speed and timer adjustment. Speed and timer can be viewed simultaneously
 - Electronic adjustment of speed and built-in timer
 - Timing and continuous operation modes

P31

Rotary Evaporator

Coming soon

Patented condenser with cooling surface 1,500 cm²

Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing

Easy to read large digital LCD screen displays heating temperature, rotation speed and timing

Motorized lift with quick-action, automatic release evaporating flask to top position in case of power failure

Large 5L water-oil heating bath with heating temperature range of RT to 180°C

Designed a detachable operating panel allows remote control



RE100-Pro
LCD Digital Rotary Evaporator



Features

- Easy to read large digital LCD screen displays heating temperature, rotation speed and timing
- Speed range from 20 to 280 rpm
- Large 5L water-oil heating bath with heating temperature range of RT to 180°C
- Heating bath with precise temperature control and adjustable safety circuit
- Designed a detachable operating panel allows remote control
- Patented condenser (cooling surface 1,500 cm²) with excellent cooling effect
- Motorized lift with quick-action, automatic release evaporating flask to top position in case of power failure
- Adjustable final position recognition to protect operator and sample against breakage
- Evaporating flask with an ejector, convenient to remove
- Available with timer function to precise control processing
- Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing
- PC can control and document all parameters via RS232 interface (USB)

Specifications

Voltage [VAC]	100-240
Frequency [Hz]	50/60
Power [W]	1400
Motor Principle	DC brushless motor
Speed Range [rpm]	20-280
Speed Display	LCD
Reversible Direction of Rotation	Yes
Heating Temperature Range [°C]	RT-180
Heat Control Accuracy [°C]	± 1
Heat Output [W]	1300
Temperature Display	LCD
Lift	Motor
Stroke [mm]	150
Timer	Yes
Timer Display	LCD
Time Setting Range [min]	1-999
Overall Dimensions [D × W × H mm]	420 × 400 × 580
Weight [kg]	20
Permissible Ambient Temperature [°C]	5-40
Permissible Relative Humidity	80%
Protection Class acc. To DIN EN60529	IP20
RS 232 Interface	Yes

BlueSpin Magnetic Hotplate Stirrer

BlueSpin LCD Digital 7 Inch Square Magnetic Hotplate Stirrer MS7-H550-Pro

7 inch square hotplate magnetic stirrers are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals and other fields.

PID temperature technology precise controls heating process, rapidly reaches target temperature and enhances control accuracy, heating temperature up to 550°C.

SCILOGEX 7 inch square magnetic stirrers have glass ceramic plate extremely resistant to corrosion and easy to clean. The heating models are suitable for external temperature sensor PT1000, display and control actual medium temperature.



MS7-H550-Pro
BlueSpin LCD Digital 7" Square Hotplate Magnetic
Stirrer with external temperature sensor PT1000



MS7-H550-Pro
BlueSpin LCD Digital Magnetic
Hotplate Stirrer
(Glass ceramic plate)



MS7-H550-Pro
with color pies

Features of MS7-H550-Pro BlueSpin LCD Digital Magnetic Hotplate Stirrer

- External temperature sensor PT1000 is available for hotplate model, real-time control medium temperature.
- Simple running interface easy to use and program. Automatically identify temperature sensor PT1000 and transfer to PT1000 operation mode. Record and display the last running parameters when switch on.
- LCD display target and actual temperature, as well as set speed and actual speed can be displayed.
- PID temperature technology precise controls heating process, rapidly reaches target temperature and enhances control accuracy Brushless DC motor maintenance free and explosion-proofed, accurately control speed
- Separate safety circuits with fixed safety temperature of 580°C, automatically stops heating once exceed secure temperature
- HOT warning indicates residual hotplate temperature. LCD display would show "Hot" when hotplate temperature over 50°C warning point, even if switched off.
- Free software StirPC, computer can control and document all operation values via RS232 interface



MS7-H550-S
BlueSpin LED Digital Magnetic Hotplate Stirrer
(Glass ceramic plate)

Features of MS7-H550-S BlueSpin LED Digital Magnetic Hotplate Stirrer

- LED display targett and actual temperatures
- External temperature sensor PT1000 is available, display and control actual medium temperature, control accuracy of $\pm 1^{\circ}\text{C}$
- Separated safety circuits, fixed safety temperature of 580°C , automatically stops heating once exceed secure temperature
- HOT warning indicates residual hotplate temperature. LCD display would show "Hot" when hotplate temperature over 50°C warning point, even if switched off



MS7-H550-S
with external temperature sensor PT1000

BlueSpin LCD Digital Magnetic Hotplate Stirrer MS-H-Pro+

340°C magnetic hotplate stirrers are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals and other fields.

PID temperature technology precise controls heating process, rapidly reaches target temperature and enhances control accuracy, heating temperature up to 340°C.

Stainless steel hotplate extremely resists of impact and corrosion, also with good uniformity of heating. The hotplate models are suitable for external temperature sensor PT1000, display and control actual medium temperature.



MS-H-Pro+
BlueSpin LCD Digital Hotplate Magnetic Stirrer with external
temperature sensor PT1000

Features of MS-H-Pro+ BlueSpin LCD Digital Magnetic Hotplate Stirrer

- External temperature sensor PT1000 is available for hotplate model, real-time controls medium temperature.
- Simple running interface easy to use and program. Automatically identify temperature sensor PT1000 and transfer to PT1000 operation mode. Record and display the last running parameter when switch on.
- LCD display target and actual temperatures, as well as set and actual speed can be displayed.
- PID temperature technology precise controls heating process, rapidly reaches target temperature and enhances control accuracy.
- Brushless DC motor maintenance free and explosion-proofed, accurately control speed
- Fully closed assembly guarantees safety and long service life, effectively prevents the liquid into unit to protect the components from damage
- Separate safety circuits, fixed safety temperature of 360°C, Automatically stops heating once exceed secure temperature
- HOT warning indicates residual hotplate temperature. LCD display would show “Hot” when hotplate temperature over 50°C warning point, even if switched off
- Free software StirPC, computer can control and document all operation values via RS232 interface



MS-H-Pro+
BlueSpin LCD Digital Magnetic Hotplate Stirrer
with stainless steel plate



MS-H-Pro+
with ceramic coated hotplate

Tips

Performance of work plates

Work plates	Max heating temp (°C)	Corrosion resistance	Uniformity of heating	Impact resistance	Color	Cleaning
Glass ceramic	550	Excellent	Limited	Limited	White	Excellent
Ceramic	550	Good	Limited	Limited	White	Good
Aluminum	340	Limited	Excellent	Limited	Silver	Limited
Stainless steel	370	Excellent	Good	Good	Silver	Good



MS-H-S
BlueSpin Classic Magnetic Hotplate Stirrer
with stainless steel plate



MS-H-S
with ceramic coated hotplate

Features of MS-H-S BlueSpin Classic Magnetic Hotplate Stirrer

- Stainless steel and ceramic coated hotplates are optional
- Separated safety circuit, automatically stop heating when temperature over 350°C
- Motor with electronic speed control, constant speed even during changes in load
- Variable speed of motor
- High magnetic adhesion, prevent the stirrer bar escape
- Enclosed assembly with protection class IP42 and DC brushless motor guarantees long service

Features of MS-H-S10 BlueSpin 10-Channel Classic Magnetic Hotplate Stirrer

- Heating temperature up to 120°C
- High-performance multi-position magnetic stirrer with uniform temperature distribution
- Individually controlled stirring for consistency with various samples
- Individually controlled stirring for consistency with various samples
- Electronic speed control motor provides constant speed
- DC brushless motor maintenance free and quiet running
- Stainless steel plate with silicone films, anti-slip and anti-corrosion



MS-H-S10
BlueSpin 10-Channel Classic Magnetic
Hotplate Stirrer
(Stainless steel plate with silicone film)



BlueSpin MS-H280-Pro
LED Digital Magnetic Hotplate Stirrer
(Stainless steel with corrosion-resistant coated or ceramic coated plate)



Features of MS-H280-Pro BlueSpin LED Digital Magnetic Hotplate Stirrer







Digital control system is ideal for applications for physical - chemical analysis and biotech labs.

- Heating temperature up to 280°C
- Stainless steel with corrosion-resistant coated or ceramic coated hotplate is optional
- External temperature sensor PT1000 is available and control accuracy of $\pm 1^\circ\text{C}$, real-time control medium temperature.
- LED display temperature and speed.
- 50°C HOT warning indicates residual hotplate temperature.
- ABS casing with fire retardant material, resistance of weak acid and alkali















MS-H280-Pro
BlueSpin with external temperature
sensor PT1000

Specifications of BlueSpin Hotplate Magnetic Stirrer

						
Dimension of work plate [mm]	184x184 (7 inch)	184x184 (7 inch)	φ 135 (5 inch)	φ 135 (5 inch)	φ 135 (5 inch)	180 × 450
Work plate material	Glass ceramic	Glass ceramic	Stainless steel/Ceramic coated	Stainless steel/Ceramic coated	Ceramic coated	Stainless steel with silicone Film
Motor type	DC brushless motor	Shaded pole motor	DC brushless motor	DC brushless motor	DC motor	DC motor
Motor rating input [W]	18	15	18	18	5	12
Motor rating output [W]	10	1.5	10	10	3	4
Power [W]	1050	1030	550	530	515	490
Voltage [VAC]	100-120/200-240	100-120/200-240	200-240	200-240	100-120/200-240	200-240
Frequency [Hz]	50/60	50/60	50/60	50/60	50/60	50/60
Stirring positions	1	1	1	1	1	10
Max. stirring quantity[H ₂ O], L	20	10	20	20	3	0.4 (each stirring position)
Max. magnetic bar(L x Ø) [mm]	80	80	80	80	50	40
Speed range [rpm]	100-1500	0-1500	100-1500	0-1500	100-1500	0-1100
Speed display	LCD	Scale	LCD	Scale	LED	Scale
Speed display resolution [rpm]	± 1	-	± 1	-	-	-
Heating output [W]	1000	1000	500	500	500	470
Heating temperature range [°C]	RT-550, increment 1	RT-550, increment 5	RT-340, increment 1	RT-340	RT-280, increment 1	RT-120
Control accuracy of work plate [°C]	± 1(<100 °C) ± 1%(>100 °C)	± 10	± 1(<100 °C) ± 1%(>100 °C)	-	± 1(<100 °C) ± 1%(>100 °C)	-
Safety temperature [°C]	580	580	360	350	320	140
Temperature display	LCD	LED	LCD	Scale	LED	Scale
Temperature display accuracy [°C]	± 0.1	± 1	± 0.1	-	± 1	-
External temperature sensor	PT1000	PT1000	PT1000	N/A	PT1000	N/A
Control accuracy with external temperature sensor PT1000 [± °C]	± 0.2	± 0.5	± 0.2	-	± 0.5	-
Heating warning [°C]	50 °C	50 °C	50 °C	N/A	50 °C	N/A
Remote control (RS232 interface)	Yes	N/A	Yes	N/A	N/A	N/A
Protection class according to DIN EN60529	IP21	IP21	IP42	IP42	IP21	IP42
Dimension [W x D x H] mm	215x360x112	215x360x112	160 × 280 × 85	160 × 280 × 85	150 × 260 × 80	182 × 552 × 65
Weight [kg]	5.3	4.5	2.8	2.8	1.8	3.2
Permissible ambient temperature [°C]	5-40	5-40	5-40	5-40	5-40	5-40
Permissible relative humidity	80	80	80%	80%	80%	80%

Accessories

											
Cat. No.	189000065	189000002	189000003	189000004	189000005	189000048	189000049	189000080	189000081	189000082	189000083
Descriptions	Blue Fixed ring, use with color quarter pies	Red quarter pie, 11 holes, 4 ml reaction vessel, Ø15.2mm, 20mm depth	Purple quarter pie, 4 holes, 20 ml reaction vessel, Ø28mm, 24mm depth	Blue quarter pie, 4 holes, 30 ml reaction vessel, Ø28mm, 30mm depth	Black quarter pie, 4 holes, 40 ml reaction vessel, Ø28mm, 43mm depth	Green quarter pie, 6 holes, 8ml reaction vessel, Ø17.8mm, 26mm depth	Golden quarter pie, 4 holes, 16ml reaction vessel, Ø21.6mm, 31.7mm depth	Reaction block for 50ml round bottom flask (one flask capacity)	Reaction block for 100ml round bottom flask (one flask capacity)	Reaction block for 250ml round bottom flask (one flask capacity)	Reaction block for 500ml round bottom flask (one flask capacity)

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

MS-H-Pro+ with PT1000 and 1/4 color pies

Models											
MS7-H550-Pro											
MS7-H550-S											
MS-H-Pro+											
MS-H-S											
MS-H280-Pro											

				
Cat. No.	189000019	189000016	189000017	189000148
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, use with MS-H280-PRO



MS-H-Pro+ with PT1000 and reaction block

Models				
MS7-H550-Pro				
MS7-H550-S				
MS-H-Pro+				
MS-H-S				
MS-H280-Pro				

It is available of stirrer bars



Stirrer bars and stirrer bar remover (PTFE) , use below 150°C				
Models				
		MS7-Pro MS-H-Pro+ MS-H-S MS-S	MS-H280-Pro MS-PA MS-PB	MS-H-S10 MS-M-S10
Cat. No.	Size of stirrer bars [mm]	Suitable for Max. stirrer bar 80mm	Suitable for Max. stirrer bar 50mm	Suitable for Max. stirrer bar 40mm
18900006	10mm × 6mm	●	●	●
18900007	15mm × 8mm	●	●	●
18900008	20mm × 8mm	●	●	●
18900009	25mm × 8mm	●	●	●
12500005	30mm × 6mm	●	●	●
18900011	40mm × 8mm	●	●	●
12500004	51mm × 8mm	●	●	
18900013	65mm × 8mm	●		
18900014	80mm × 13mm	●		
18900015	Stirrer bar remover, length of 200mm	●	●	●

Ordering information

P/N	Descriptions	Power supply	Work plate	Cat No.
MS7-H550-Pro	BlueSpin LCD Digital 7" Square Hotplate Magnetic Stirrer	USA plug, 100-240V/50Hz/60Hz	Glass ceramics	813223009999
		Cn plug, 100-240V/50Hz/60Hz		813223019999
		Euro plug, 100-240V/50Hz/60Hz		813223029999
		UK plug, 100-240V/50Hz/60Hz		813223039999
MS7-H550-S	BlueSpin LED Digital 7" Square Hotplate Magnetic Stirrer	USA plug, 100-240V/50Hz/60Hz	Glass ceramics	813221009999
		Cn plug, 100-240V/50Hz		813221019999
		Euro plug, 100-240V/50Hz/60Hz		813221029999
		UK plug, 100-240V/50Hz/60Hz		813221039999
MS-H-Pro +	BlueSpin LCD Digital Hotplate Magnetic Stirrer	USA plug, 100-240V/50Hz/60Hz	Ceramic coated	861242019999
			Stainless steel	861142019999
		Cn plug, 100-240V/50Hz/60Hz	Ceramic coated	861242129999
			Stainless steel	861142129999
		Euro plug, 100-240V/50Hz/60Hz	Ceramic coated	861242229999
			Stainless steel	861142229999
		UK plug, 100-240V/50Hz/60Hz	Ceramic coated	861242329999
			Stainless steel	861142329999
MS-H280-Pro	BlueSpin LED Digital Hotplate Magnetic Stirrer,	USA plug, 100-240V/50Hz/60Hz	Ceramic coated	861431019999
		Cn plug, 100-240V/50Hz/60Hz		861431129999
		Euro plug, 100-240V/50Hz/60Hz		861431229999
		UK plug, 100-240V/50Hz/60Hz		861431329999
	BlueSpin LED Digital Hotplate Magnetic Stirrer	USA plug, 100-240V/50Hz/60Hz	Stainless steel with corrosion-resistant	861131019999
		Cn plug, 100-240V/50Hz/60Hz		861131129999
		Euro plug, 100-240V/50Hz/60Hz		861131229999
		UK plug, 100-240V/50Hz/60Hz		861131329999
MS-H-S10	BlueSpin 10-Channel Classic Hotplate Magnetic Stirrers	USA plug, 100-240V/50Hz/60Hz	Stainless steel plate with silicone film	811321029999
		Cn plug, 100-240V/50Hz/60Hz		811321019999
		Euro plug, 100-240V/50Hz/60Hz		811321039999
		UK plug, 100-240V/50Hz/60Hz		811321049999

BlueSpin Magnetic stirrer

Magnetic stirrers are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals and other fields.



MS7-Pro
BlueSpin LCD Digital Magnetic Stirrer
(Glass ceramic plate)

Features of MS7- Pro BlueSpin LCD Digital Magnetic Stirrer

- Speed range of 100-1500 rpm
- Max. stirring quantity 20L
- glass ceramic plate is extremely resistant to corrosion and easily clean
- LCD displays target and actual speeds
- Brushless DC motor maintenance free and explosion-proofed, accurately control speed



MS-S
BlueSpin Class Magnetic Stirrer
(Stainless steel or ceramic coated plate)

Features of MS-S BlueSpin Classic Magnetic Stirrer

- Speed range of 0-1500 rpm
- Max. stirring quantity 20L
- Stainless steel and ceramic coated work plates are optional
- Motor with electronic speed control, constant speed even during changes in load
- High magnetic adhesion, prevent the stirrer bar escape
- Enclosed assembly with protection class IP42 and
- DC brushless motor guarantees long service

Features of MS-PA BlueSpin LED Digital Magnetic Stirrer

- Speed range of 100-1500 rpm
- Max. stirring quantity 3L
- LED display set and actual speeds (MS-PA)
- Microprocessor control technology guarantees speed control accuracy
- ABS casing with fire retardant material, resistance of weak acid and alkali



MS-PA
BlueSpin LED Digital Magnetic Stirrer
(Plastic plate)



MS-PB
BlueSpin Classic Magnetic Stirrer
(Plastic plate)

Features of MS-PB BlueSpin Classic Magnetic Stirrer

- Speed range of 0-1500 rpm
- Max. stirring quantity 3L
- ABS casing with fire retardant material, resistance of weak acid and alkali

Features of MS-M-S10 BlueSpin 10-Channel Classic Magnetic Stirrers

- Speed range of 0-1100rpm
- High-performance magnetic stirrer with 10 stirring positions benefit laboratory space
- Individually controlled stirring for consistency with various samples
- DC brushless motor maintenance free and provides constant speed
- Stainless steel plate with silicone film, anti-slip and anti-corrosion



MS-M-S10
BlueSpin 10-Channel Classic Magnetic Stirrer
(Stainless steel plate with silicone film)

Specifications of BlueSpin Magnetic Stirrer

					
	MS7-Pro	MS-S	MS-PA	MS-PB	MS-M-S10
Dimension of work plate [mm]	184 × 184 (7 inch)	φ 135 (5 inch)	φ 135 (5 inch)	φ 135 (5 inch)	180 × 450
Work plate material	Glass ceramic	Stainless steel/Ceramic coated	Plastic	Plastic	Stainless steel with silicone Film
Motor type	DC brushless motor	DC brushless motor	DC motor	DC motor	DC brushless motor
Motor rating input [W]	18	18	5	5	12
Motor rating output [W]	10	10	3	3	4
Power [W]	50	30	15	10	20
Voltage [VAC]	200-240	100-240	100-240	100-240	200-240
Frequency [Hz]	50/60	50/60	50/60	50/60	50/60
Stirring positions	1	1	1	1	10
Max. stirring quantity[H ₂ O], L	20	20	3	3	0.4 (each stirring position)
Max. magnetic bar(L x Ø) [mm]	80	80	50	50	40
Speed range [rpm]	100-1500	0-1500	100-1500	0-1500	0-1100
Speed display	LCD	Scale	LED	Scale	Scale
Speed display resolution [rpm]	± 1	-	-	-	-
Protection class according to DIN EN60529	IP21	IP42	IP42	IP42	IP42
Dimension [W x D x H] mm	215 × 360 × 112	160 × 280 × 85	150 × 260 × 80	150 × 260 × 80	182 × 552 × 65
Weight [kg]	5.3	2.8	1.8	1.8	3.2
Permissible ambient temperature [°C]	5-40	5-40	5-40	5-40	5-40
Permissible relative humidity	80	80%	80%	80%	80%

It is available of stirrer bars



Stirrer bars and stirrer bar remover (PTFE) , use below 150°C				
Models				
		MS7-Pro MS-S	MS-PA MS-PB	MS-M-S10
Cat. No.	Size of stirrer bars [mm]	Suitable for Max. stirrer bar 80mm	Suitable for Max. stirrer bar 50mm	Suitable for Max. stirrer bar 40mm
18900006	10mm × 6mm	●	●	●
18900007	15mm × 8mm	●	●	●
18900008	20mm × 8mm	●	●	●
18900009	25mm × 8mm	●	●	●
12500005	30mm × 6m	●	●	●
18900011	40mm × 8mm	●	●	●
12500004	51mm × 8mm	●	●	
18900013	65mm × 8mm	●		
18900014	80mm × 13mm	●		
18900015	Stirrer bar remover, length of 200mm	●	●	●

Ordering information

P/N	Descriptions	Power supply	Work plate	Cat No.
MS7-Pro	BlueSpin LCD Digital 7" Square Plate Magnetic Stirrer	USA plug, 100-240V/50Hz/60Hz	Glass ceramics	813213009999
		Cn plug, 100-240V/50Hz/60Hz		813213019999
		Euro plug, 100-240V/50Hz/60Hz		813213029999
		UK plug, 100-240V/50Hz/60Hz		813213039999
MS-S	BlueSpin Classic Magnetic Stirrer	USA plug, 100-240V/50Hz/60Hz	Stainless steel	811111019999
			Ceramic coated	811111119999
		Cn plug, 100-240V/50Hz/60Hz	Stainless steel	811111029999
			Ceramic coated	811111089999
		Euro plug, 100-240V/50Hz/60Hz	Stainless steel	811111039999
			Ceramic coated	811111139999
MS-PA	BlueSpin LED Digital Magnetic Stirrer	UK plug, 100-240V/50Hz/60Hz	Stainless steel	811111049999
			Ceramic coated	811111129999
			Pastic plate	861521039999
				861521139999
MS-PB	BlueSpin Classic Magnetic Stirrer	Euro plug, 100-240V/50Hz/60Hz	Pastic plate	861521239999
				861521339999
				861520039999
				861520139999
MS-M-S10	BlueSpin 10-Channel Classic Magnetic Stirrers	UK plug, 100-240V/50Hz/60Hz	Stainless steel plate with silicone film	861520239999
				861520339999
				811311029999
				811311019999
				811311039999
				811311049999

Overhead Stirrer

Overhead stirrer is suitable for mixture of high viscosity liquid or solid-liquid. Widely used in chemical synthesis, pharmaceutical, physical and chemical analysis, petrochemical, cosmetics, health care, food, biotechnology and other fields.

Push-through string shaft, easy to replace vessels

- Overload protection, motor would automatically stop in case of continuous overload
- Safety circuit, automatically cut off the circuit in abnormal conditions

Cover the speed range from 50 to 2200rpm, the speed is accurate and controlled

Anti-spill samples - PC control system starts up smoothly, prevent samples overflow



DC Brushless motor maintenance free and quiet running

LCD displays set/ actual speeds, and torque

Shift speed and torque displays by mode switch button

PC can control and document all operation values via RS232 interface

OS40-Pro/ OS20-Pro
LCD Digital (Enhanced) Overhead Stirrer

Push-through string shaft, easy to replace vessels

- Overload protection, motor would automatically stop in case of continuous overload
- Safety circuit, automatically cut off the circuit in abnormal conditions

Cover the speed range from 0 to 2200rpm, the speed is accurate and controlled



LED displays actual speed

DC Brushless motor maintenance free and quiet running

Anti-spill samples - PC control system starts up smoothly, prevent samples overflow

OS40-S/ OS20-S
LED Digital (Enhanced) Overhead Stirrer



OS40-Pro/ OS20-Pro
with universal plate stand

OS40-Pro
LCD Digital Enhanced Overhead Stirrer

OS20-Pro
LCD Digital Overhead Stirrer



Features of OS40-Pro/ OS20-Pro LCD Digital (Enhanced) Overhead Stirrer

- High reliability, long continuous service, outstanding performance
- Cover the speed range from 50 to 2200rpm, the speed is accurate and controlled
- Brushless DC motor drive, low noise and maintenance free
- Setting value and actual value can be displayed, real-time monitoring torque and speed via LCD display
- Overload protection - motor would automatically stop in case of continuous overload
- Anti-spill samples - PC control system starts up smoothly, prevent samples overflow
- Separated safety circuit - automatically cut off the circuit in abnormal conditions, make sure security
- Extended application - PC can control and document all operation values via RS232 interface.



OS40-S
LED Digital Enhanced Overhead Stirrer

OS20-S
LED Digital Overhead Stirrer

Features of OS40-S/ OS20-S LED Digital (Enhanced) Overhead Stirrer

- High reliability, long continuous service, outstanding performance
- Cover the speed range from 0 to 2200rpm, the speed is accurate and controlled
- Brushless DC motor drive, low noise and maintenance free
- LED displays actual speed
- Overload protection - motor would automatically stop in case of continuous overload
- Anti-spill samples - PC control system starts up smoothly, prevent samples overflow
- Separated safety circuit - automatically cut off the circuit in abnormal conditions, make sure using security



OS40-S/ OS20-S
with universal plate stand

Specifications

	OS40-Pro	OS20-Pro	OS40-S	OS20-S
Max. stirring quantity(H ₂ O)[L]	40	20	40	20
Motor rating input[W]	120	60	120	60
Motor rating output[W]	100	50	100	50
Voltage[VAC]	100-240	100-240	100-240	100-240
Frequency [Hz]	50/60	50/60	50/60	50/60
Power[W]	130	70	130	70
Speed range[rpm]	50-2200	50-2200	0-2200	0-2200
Speed display accuracy[rpm]	± 3	± 3	-	-
Speed display	LCD	LCD	LED	LED
Speed display resolution[rpm]	± 1	± 1	± 1	± 1
Max. torque[Ncm]	60	40	60	40
Torque display	LCD	LCD	-	-
Overload protection	LED lights, motor automatic stops			
Motor protect	LED lights, motor automatic stops			
Viscosity max. [mPas]	50000	10000	50000	10000
Chuck range diameter[mm]	0.5-13	0.5-13	0.5-13	0.5-13
Dimension[W x H x D] (mm)	83 x 220 x 186	83 x 220 x 186	83 x 220 x 186	83 x 220 x 186
Weight[kg]	2.8	2.6	2.8	2.6
Protection class acc. to DIN/EN 60529	IP42	IP42	IP42	IP42
Temperature[°C]	5-40	5-40	5-40	5-40
Permission relative humidity[%]	0	80	80	80
Remote control(RS232 interface)	Yes	Yes	N/A	N/A

Accessories



Cat. No.: 18900131
Universal plate stand (W x D: 20 x 31cm), including support holder (H: 78cm) and fixing device



Cat. No.: 18900071
Crossed stirrer, shaft length 40cm, stirrer diameter 5cm, 316L stainless steel

Standard stirring element, used at medium and high speeds



Cat. No.: 18900072
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
Blade stirrer, shaft length 40cm, stirrer diameter 6.8cm, 316L stainless steel

Gentle processing samples, used at low and medium speeds



Cat. No.: 18900074
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



Cat. No.: 18900075
Crossed stirrer, shaft length 35cm, stirrer diameter 6.5cm, PTFE coated

Standard stirring element, used at medium and high speeds



Cat. No.: 18900076
Straight stirrer, shaft length 35cm, stirrer diameter 7cm, PTFE coated

Suitable for mixing of low viscosity media, used at medium and high speeds



Cat. No.: 18900077
Blade stirrer, shaft length 35cm, stirrer diameter 6.8cm, PTFE coated

Gentle processing samples, used at low and medium speeds



Cat. No.: 18900078
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

Ordering information

P/N	Descriptions	Power supply	Cat No.
OS40-Pro	LCD Digital Enhanced Overhead Stirrer (Exclude universal stand), Max. stirring quantity 40L	USA plug, 100-240V/50Hz/60Hz	840203019999
		Cn plug, 100-240V/50Hz/60Hz	840203119999
		Euro plug, 100-240V/50Hz/60Hz	840203219999
		UK plug, 100-240V/50Hz/60Hz	840203319999
OS20-Pro	LCD Digital Overhead Stirrer (Exclude universal stand), Max. stirring quantity 20L	USA plug, 100-240V/50Hz/60Hz	840103019999
		Cn plug, 100-240V/50Hz/60Hz	840103119999
		Euro plug, 100-240V/50Hz/60Hz	840103219999
		UK plug, 100-240V/50Hz/60Hz	840103319999
OS40-S	LED Digital Enhanced Overhead Stirrer (Exclude universal stand), Max. stirring quantity 40L	USA plug, 100-240V/50Hz/60Hz	840202019999
		Cn plug, 100-240V/50Hz/60Hz	840202119999
		Euro plug, 100-240V/50Hz/60Hz	840202219999
		UK plug, 100-240V/50Hz/60Hz	840202319999
OS20-S	LED Digital Overhead Stirrer (Exclude universal stand), Max. stirring quantity 20L	USA plug, 100-240V/50Hz/60Hz	840102019999
		Cn plug, 100-240V/50Hz/60Hz	840102119999
		Euro plug, 100-240V/50Hz/60Hz	840102219999
		UK plug, 100-240V/50Hz/60Hz	840102319999

Mixer, Rotator and Roller

Vortex Mixers MX-S / MX-F

The Vortex mixer widely used in life science, physical and chemical analysis fields, for vigorous re-suspension of cells or chemical pellets in tubes up to 15 ml.

Features

- Touch and continuous operations
- MX-S with wide speed range of 0-2500rpm, stepless speed regulation
- MX-S used for various mixing applications with optional adapters, handles up to 48 tubes
- Specially designed vacuum suction feet hold to the work surface and prevent the unit from movement
- Aluminium cast base avoids unnecessary "walking"



MX-S
with standard top cup VT1.1
Adjustable speed



MX-F
with standard top cup VT1.1
Fixed speed

Specifications

	MX-S (Adjustable speed)	MX-F (Fixed speed)
Voltage[VAC]	110-120/220-230	110-120/220-230
Frequency[Hz]	50/60	50/60
Power[W]	60	60
Mixing motion	Orbital	Orbital
Orbital diameter[mm]	4	4
Motor rating input[W]	58	58
Motor rating output[W]	10	10
Permissible on time[%]	30	30
Speed range[rpm]	0-2500	2500
Speed display	Scale	--
Run type	Continuous/ touch operation	
Dimensions[W × H × D mm]	127 × 130 × 160	127 × 130 × 160
Weight[kg]	3.5	3.5
Permissible ambient temperature[°C]	5-40	5-40
Permissible relative humidity	80%	80%
Protection class acc. DIN EN60529	IP21	IP21

Accessories



MX-S
with VT1.3-universal top
plate and a tube adapter
Continuous operation



MX-S
with VT1.1-standard top cup
Touch operation



MX-S
with VT1.2-holding rod and tube
adapter
Touch operation



Cat No.: 18900034
VT1.1 Standard top
for <Ø30mm tubes and small
vessels



Cat No.: 18900035
VT1.3 Universal top plate
Ø 100mm



Cat No.: 18900020
VT1.3.1 tube adapter
for 48 holes test tubes, Ø6mm,
used with VT1.3/ VT1.2



Cat No.: 18900021
VT1.3.2 tube adapter
for 18 holes test tubes, Ø10mm,
used with VT1.3/ VT1.2



Cat No.: 18900022
VT1.3.3 tube adapter
for 12 holes test tubes, Ø12mm,
used with VT1.3/ VT1.2



Cat No.: 18900023
VT1.3.4 tube adapter
for 8 holes test tubes, Ø16mm,
used with VT1.3/ VT1.2



Cat No.: 18900024
VT1.3.5 tube adapter
for 8 holes test tubes, Ø20mm,
used with VT1.3/ VT1.2



Cat No.: 18900043
VT1.3.6 Platform pad
for <Ø99mm tubes and small
vessels



Cat No.: 18900044
VT1.2 Tube holding rod
used with tube adapters



Cat No.: 18900050
VT1.3.7 Rubber vacuum
suction foot

Application of accessories

Accessories	Fixed speed model (2500rpm)		Adjustable speed model (0-2500rpm)	
	Touch mode	Continuous mode	Touch mode (High speed area)	Continuous mode (Low speed area)
VT1.1	Y	Y	Y	Y
VT1.2 + VT1.3.1	Y		Y	
VT1.2 + VT1.3.2	Y		Y	
VT1.2 + VT1.3.3	Y		Y	
VT1.2 + VT1.3.4	Y		Y	
VT1.2 + VT1.3.5	Y		Y	
VT1.3 + VT1.3.6	Y		Y	
VT1.3 + VT1.3.1				Y
VT1.3 + VT1.3.2				Y
VT1.3 + VT1.3.3				Y
VT1.3 + VT1.3.4				Y
VT1.3 + VT1.3.5				Y

Ordering information

P/N	Descriptions	Power Supply	Cat No.
MX-S	Vortex Mixer (adjustable speed), with VT1.1 standard top	Cn plug, 220-230V/50Hz	821200019999
		Cn plug, 220-230V/60Hz	821200029999
		USA plug, 100-120V/50Hz	821200039999
		USA plug, 100-120V/60Hz	821200049999
		Euro plug, 220-230V/50Hz	821200059999
		Euro plug, 220-230V/60Hz	821200099999
		UK plug, 220-230V/50Hz	821200069999
		UK plug, 220-230V/60Hz	821200109999
		Cn plug, 220-230V/50Hz	821100019999
		Cn plug, 220-230V/60Hz	821100029999
MX-F	Vortex Mixer (fixed speed), with VT1.1 standard top	USA plug, 100-120V/50Hz	821100039999
		USA plug, 100-120V/60Hz	821100049999
		Euro plug, 220-230V/50Hz	821100059999
		Euro plug, 220-230V/60Hz	821100079999
		UK plug, 220-230V/50Hz	821100069999
		UK plug, 220-230V/60Hz	821100089999

Microplate Mixer MX-M

Compact and universal Microplate Mixer can hold one or two microplates, used in life science field including microbiology, cell and molecular biology, immunology and biotechnology.

Features

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



MX-M
with microplate clamp



MX-M
with universal top plate and a tube
adapter

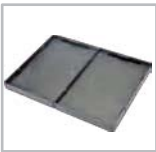


MX-M
with double microplate clamp

Accessories



Cat No.: 18900042
PS1.2
Microplate clamp



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, used
with PS1.1



Cat No.: 18900021
VT1.3.2 tube adapter
for 18 holes test tubes,
Ø10mm, used with
PS1.1



Cat No.: 18900022
VT1.3.3 tube adapter
for 12 holes test
tubes, Ø12mm, used
with PS1.1



Cat No.: 18900023
VT1.3.4 tube adapter
for 8 holes test tubes,
Ø16mm, used with
PS1.1



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

Specifications

Voltage [VAC]	100-240
Frequency[Hz]	50/60
Power[W]	20
Shaking movement	Orbital
Orbital diameter[mm]	4.5
Max. shaking weight (with accessory)[kg]	0.5
Motor type	DC brushless motor
Motor rating input[W]	18
Motor rating output [W]	10
Speed range[rpm]	Single microplate: 0-1500 Double microplate : 0-1000
Speed display	Scale
Dimensions[mm]	260 × 150 × 80
Weight[kg]	3
Permissible ambient temperature [°C]	5-40
Permissible relative humidity	80%
Protection class acc. to DIN EN60529	IP21

Ordering information

P/N	Descriptions	Power Supply	Cat No.
MX-M	Microplate Mixer	Cn plug, 100-240V/50Hz/60Hz	822000019999
		USA plug, 100-240V/50Hz/60Hz	822000029999
		Euro plug, 100-240V/50Hz/60Hz	822000039999
		UK plug, 100-240V/50Hz/60Hz	822000049999

NEW

Rotator MX-RL-Pro / MX-RD-Pro

The rotators give gentle but effective mixing of biological samples to be held in 1.5ml to 50ml micro tubes, used in a variety of applications including immune precipitations, prevention of blood coagulation, latex diagnostics etc.



MX-RD-Pro with dual dish accessories and support rods



MX-RD-Pro
LCD Digital Rotator



MX-RD-Pro with dish accessory

Features of MX-RD-Pro LCD Digital Rotator

- The rotator comes with a disk type design
- Digital control speed and allowing procedures to be accurate
- LCD displays timer
- End-over-end or rolling action, gives gentle but effective mixing
- Adjustable speed range of 10 to 70rpm
- Adjustable mixing angle between 0 and 90°
- Used with a wide variety of accessories
- Continuous and timed quiet operation

Features of MX-RL-Pro LCD Digital Rotator

- The rotator comes with a rotisserie type design
- Digital control speed and allowing procedures to be accurate
- LCD displays timer
- End-over-end or rolling action, gives gentle but effective mixing
- Adjustable speed range of 10 to 70rpm
- Adjustable mixing angle between 0 and 90°
- Used with a wide variety of accessories
- Continuous and timed quiet operation



MX-RL-Pro
LCD Digital Rotator



MX-RL-Pro with
rotisserie accessory

Specifications

	MX-RD-Pro / MX-RL-Pro
Voltage [VAC]	100-240
Frequency [Hz]	50/60
Power [W]	40
Motor type	DC motor
Tilt angle [°]	0-90
Speed range [rpm]	10-70
Speed display	LCD
Timer	Yes
Timer display	LCD
Time setting range [min]	1-1199
Operation type	Continuous / timed operation
Dimensions [D × W × H mm]	510 × 190 × 260
Weight [kg]	8
Permissible ambient temperature [°C]	5-40
Permissible relative humidity	80%
Protection class acc. To DIN EN60529	IP21

Accessories



Cat No.: 18900137
Used for MX-RD-Pro
Disk accessory, for 1.5mlx60
centrifuge tubes holder



Cat No.: 18900138
Used for MX-RD-Pro
Disk accessory, 15mlx16
centrifuge tubes holder



Cat No.: 18900139
Used for MX-RD-Pro
Disk accessory, 50mlx8
centrifuge tubes holder



Cat No.: 18900140
Disk support rods, 4 pcs, used
with disk accessories



Cat No.: 18900142
Used for MX-RL-Pro
Rotisserie accessory, for
1.5mlx48 centrifuge tubes held
horizontally



Cat No.: 18900143
Used for MX-RL-Pro
Rotisserie accessory, for 15mlx24
centrifuge tubes held horizontally



Cat No.: 1 8900144
Used for MX-RL-Pro
Rotisserie accessory, for
50mlx24 centrifuge tubes held
horizontally



Cat No.: 1 8900145
Used for MX-RL-Pro
Rotisserie accessory, for 1.5mlx32
centrifuge tubes held vertically



Cat No.: 18900146
Used for MX-RL-Pro
Rotisserie accessory, for
15mlx16 centrifuge tubes held
vertically



Cat No.: 18900147
Used for MX-RL-Pro
Rotisserie accessory, for 50mlx16
centrifuge tubes held vertically

Ordering information

P/N	Descriptions	Power Supply	Cat No.
MX-RD-Pro	LCD Digital Rotator (exclude accessory), used with disk accessories, variable speed, adjustable mixing angle	Cn plug, 100-240V/50Hz/60Hz	824232019999
		USA plug, 100-240V/50Hz/60Hz	824232119999
		Euro plug, 100-240V/50Hz/60Hz	824232219999
		UK plug, 100-240V/50Hz/60Hz	824232319999
MX-RL-Pro	LCD Digital Rotator (exclude accessory), used with rotisserie accessories, variable speed, adjustable mixing angle	Cn plug, 100-240V/50Hz/60Hz	824222019999
		USA plug, 100-240V/50Hz/60Hz	824222119999
		Euro plug, 100-240V/50Hz/60Hz	824222219999
		UK plug, 100-240V/50Hz/60Hz	824222319999

Tube Roller MX-T6-Pro / MX-T6-S

The tube roller provides a gentle but highly efficient rocking and rolling motions, ideal for mixing blood samples, viscous substances and liquid-solid suspensions. Used in a variety applications, prevention of blood coagulation and immune precipitation etc.

NEW



MX-T6-Pro
LCD Digital Tube Roller

Features of MX-T6-Pro LCD Digital Tube Roller

- Rocking and rolling motions for complete mixing
- Speed range of 10-70rpm
- Six roller design with small footprint and easy clean
- DC brushless motor provides reliable and quiet running, maintenance free
- Designed for continuous or timed operation
- Digital speed control and LCD displays, speed and timer can be viewed simultaneously
- With a drip tray to collect accidental spillages
- Can be used in cold rooms or in incubators

Specifications

	MX-T6-Pro	MX-T6-S
Voltage [VAC]	100-240	100-240
Frequency [Hz]	50/60	50/60
Power [W]	30	25
Motor type	DC motor	DC motor
Rocking motion	Rocking and rolling	Rocking and rolling
Amplitude [mm]	24	24
Max. load capacity [kg]	5	4
Number of rollers	6	6
Roller size (L) [mm]	340	280
Speed range [rpm]	10 -70	0-70
Speed display	LCD	Scale
Timer	Yes	-
Timer display	LCD	-
Time setting range [min]	1-1199	-
Operation type	Continuous / timed operation	Continuous operation
Dimensions [D × W × H mm]	530 × 260 × 120	450 × 260 × 120
Weight [kg]	5.1	4.5
Permissible ambient temperature [°C]	5-40	5-40
Permissible relative humidity	80%	80%
Protection class acc. To DIN EN60529	IP21	IP21

Ordering information

P/N	Descriptions	Power Supply	Cat No.
MX-T6-Pro	LCD Digital Tube Roller, variable speed, 6 rollers	Cn plug, 100-240V/50Hz/60Hz	823212019999
		USA plug, 100-240V/50Hz/60Hz	823212119999
		Euro plug, 100-240V/50Hz/60Hz	823212219999
		UK plug, 100-240V/50Hz/60Hz	823212319999
MX-T6-S	Classic Tube Roller, variable speed, 6 rollers	Cn plug, 100-240V/50Hz/60Hz	823210019999
		USA plug, 100-240V/50Hz/60Hz	823210119999
		Euro plug, 100-240V/50Hz/60Hz	823210219999
		UK plug, 100-240V/50Hz/60Hz	823210319999



MX-T6-S
Classic Tube Roller

Features of MX-T6-S Classic Tube Roller

- Rocking and rolling motions for complete mixing
- Speed range of 0-70rpm
- Six roller design with small footprint and easy clean
- DC brushless motor provides reliable and quiet running, maintenance free
- Designed for continuous operation
- Can be used in cold rooms or in incubators

Shaker

Orbital and Linear Digital Shakers SK-O330-Pro / SK-L330-Pro SK-O180-Pro / SK-L180-Pro

Orbital and Linear Digital Shakers provide smooth and quiet motions for mixing in culture dishes, flasks and beakers.

Features

- Compact, orbital and Linear shakers with ideal shaking motion, for a maximum shaking weight of 7.5kg and 2.5kg
- LCD displays speed and timer. Speed, timer and operating mode can be viewed simultaneously
- Wide range of platforms for use with a variety of vessels
- Electronic time switching clock controls time or continuous operation mode
- DC brushless motor, long service life and maintenance free
- Over speed detection and protection
- Free software ShakerPC, computer can control and document all operation values via RS232 interface



SK-O330-Pro / SK-L330-Pro
with SK180.1 universal attachment



SK-O330-Pro / SK-L330-Pro
with SK330.4 dish attachment



SK-O180-Pro / SK-L180-Pro
with flask fixing clip and attachment

Specifications

	SK-O330-Pro SK-L330-Pro	SK-O180-Pro SK-L180-Pro
Voltage[VAC]	100-240	100-240
Frequency[Hz]	50/60	50/60
Power[W]	30	30
Shaking motion	Orbital/Linear	Orbital/Linear
Orbital diameter[mm]	10	4
Max. load capacity (with platform) [kg]	7.5	2.5
Motor type	DC brushless motor	DC brushless motor
Motor rating input[W]	28	28
Motor rating output[W]	15	15
Speed range[rpm]	100-350 (Linear) 100-500 (Orbital)	100-350 (Linear) 100-800 (Orbital)
Speed display	LCD	LCD
Timer	Yes	Yes
Timer display	LCD	LCD
Time setting range[min]	1-1199	1-1199
Operation type	Continuous / timed operation	Continuous / timed operation
Dimensions[W × H × D mm]	420 × 370 × 100	340 × 300 × 100
Weight[kg]	13.5	8.1
Permissible ambient temperature[°C]	5-40	5-40
Permissible relative humidity	80%	80%
Protection class acc. DIN EN60529	IP21	IP21
RS232 interface	Yes	Yes

Rocking Shaker & 3D Shaker

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

NEW



Features of SK-D3307-Pro / SK-D3309-Pro LCD Digital 3D Shaker

- Gentle 3D motion with fixed angle 7° or 9°
- Load up to 5kg
- Speed range of 10-70rpm
- DC brushless motor provides reliable and quiet running, maintenance free
- Designed for continuous or timed operation
- LCD display for speed and timer adjustment. Speed and timer can be viewed simultaneously
- Wide range of accessory platform to be used for variable size vessels, and non-slip mat holds vessels prevent slipping

Features of SK-R330-Pro LCD Digital Rocking Shaker

- Smooth see-saw rocking motion with fixed angle 9°
- Load up to 10kg
- Speed range of 10-70rpm
- DC brushless motor provides reliable and quiet running, maintenance free
- Designed for continuous or timed operation
- Digital speed control and LCD display, speed and timer can be viewed simultaneously
- Wide range of accessory platform to be used for variable size vessels, and non-slip mat holds vessels prevent slipping



Specifications









LCD Digital 3D Shaker, 7°
Attachment with non-slip mat




SK-D3309-Pro
LCD Digital 3D Shaker, 9°
Attachment with non-slip mat

SK-R330-Pro
LCD Digital Rocking Shaker
Attachment with non-slip mat

	SK-D3307-Pro	SK-D3309-Pro	SK-R330-Pro
Voltage [VAC]	100-240	100-240	100-240
Frequency [Hz]	50/60	50/60	50/60
Power [W]	50	50	40
Motor type	DC motor	DC motor	DC motor
Rocking motion	3D orbital	3D orbital	See-saw rocking
Tilt angle [°]	± 7	± 9	± 9
Max. load capacity (with platform) [kg]	5	5	10
Speed range [rpm]	10-70	10-70	10 -70
Speed display	LCD	LCD	LCD
Timer	Yes	Yes	Yes
Timer display	LCD	LCD	LCD
Time setting range [min]	1-1199	1-1199	1-1199
Operation type	Continuous / timed operation	Continuous / timed operation	Continuous / timed operation
Dimensions [D × W × H mm]	430 × 360 × 106	430 × 360 × 106	410 × 360 × 200
Weight [kg]	9	9	9
Permissible ambient temperature [°C]	5-40	5-40	5-40
Permissible relative humidity	80%	80%	80%
Protection class acc. To DIN EN60529	IP21	IP21	IP21

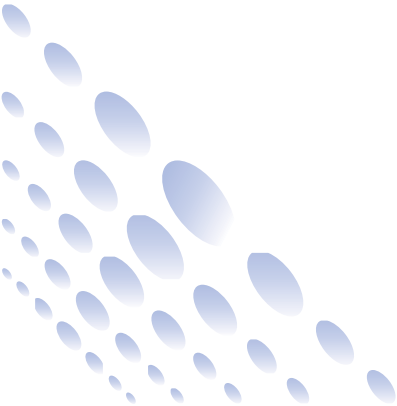
Optional accessories of Shaker

								
Cat. No.	18900027	18900040	18900155	18900028	18900025	18900038	18900039	18900026
P/N	SK330.1	SK330.3	SK330.5	SK330.2	SK180.1	SK180.3	SK180.4	SK180.2
Descriptions	Universal attachment with 4 bars	Lengthways roller attachment	Dish platform with non-slip mat and fixed string (8 pcs)	Fixing clip attachment	Universal attachment with 3 bars	Lengthways roller attachment	Dish attachment with non-slip mat	Fixing clip attachment
Used with Shakers								
Rocking Shaker	●	●	●	●				
3D Shaker	●	●	●	●				
Orbital and Linear Shaker (7.5kgs)	●	●	●	●				
Orbital and Linear Shaker (2.5kgs)					●	●	●	●

							
Cat. No.	18900029	18900030	18900031	18900032	18900033	18900036	18900037
P/N							
Descriptions	Fixing clip for flask volume 25ml, used with SK330.2 & SK180.2	Fixing clip for flask volume 50ml, used with SK330.2 & SK180.2	Fixing clip for flask volume 100ml, used with SK330.2 & SK180.2	Fixing clip for flask volume 200/250ml, used with SK330.2 & SK180.2	Fixing clip for flask volume 500ml, used with SK330.2 & SK180.2	Bar for SK330.1 universal attachment	Bar for SK180.1 universal attachment
Used with Shakers							
Rocking Shaker	●	●	●	●	●	●	
3D Shaker	●	●	●	●	●	●	
Orbital and Linear Shaker (7.5kgs)	●	●	●	●	●	●	
Orbital and Linear Shaker (2.5kgs)	●	●	●	●	●	●	●

Ordering information

P/N	Descriptions	Power Supply	Cat No.
SK-R330-Pro	LCD Digital Rocking Shaker (with platform), see-saw wave, angle 9°	Cn plug, 100-240V/50Hz/60Hz	833210019999
		USA plug, 100-240V/50Hz/60Hz	833210119999
		Euro plug, 100-240V/50Hz/60Hz	833210219999
		UK plug, 100-240V/50Hz/60Hz	833210319999
SK-D3309-Pro	LCD Digital 3D Shaker (with platform), angle 9°	Cn plug, 100-240V/50Hz/60Hz	834220019999
		USA plug, 100-240V/50Hz/60Hz	834220119999
		Euro plug, 100-240V/50Hz/60Hz	834220219999
		UK plug, 100-240V/50Hz/60Hz	834220319999
SK-D3307-Pro	LCD Digital 3D Shaker (with platform), angle 7°	Cn plug, 100-240V/50Hz/60Hz	834210019999
		USA plug, 100-240V/50Hz/60Hz	834210119999
		Euro plug, 100-240V/50Hz/60Hz	834210219999
		UK plug, 100-240V/50Hz/60Hz	834210319999
SK-L180-Pro	Linear Digital Shaker (2.5Kg) without attachment	Cn plug, 100-240V/50Hz/60Hz	831010019999
		USA plug, 100-240V/50Hz/60Hz	831010039999
		Euro plug, 100-240V/50Hz/60Hz	831010049999
		UK plug, 100-240V/50Hz/60Hz	831010059999
SK-O180-Pro	Orbital Digital Shaker (2.5Kg) without attachment	Cn plug, 100-240V/50Hz/60Hz	832010019999
		USA plug, 100-240V/50Hz/60Hz	832010039999
		Euro plug, 100-240V/50Hz/60Hz	832010049999
		UK plug, 100-240V/50Hz/60Hz	832010059999
SK-L330-Pro	Linear Digital Shaker (7.5.Kg) without attachment	Cn plug, 100-240V/50Hz/60Hz	831010029999
		USA plug, 100-240V/50Hz/60Hz	831010069999
		Euro plug, 100-240V/50Hz/60Hz	831010079999
		UK plug, 100-240V/50Hz/60Hz	831010089999
SK-O330-Pro	Orbital Digital Shaker (7.5Kg) without attachment	Cn plug, 100-240V/50Hz/60Hz	832010029999
		USA plug, 100-240V/50Hz/60Hz	832010069999
		Euro plug, 100-240V/50Hz/60Hz	832010079999
		UK plug, 100-240V/50Hz/60Hz	832010089999





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