



MS10-H500-Pro

LCD Digital Magnetic Hotplate Stirrer
With 10 Inch Ceramic Plate



Features

- Large volume: Up to 30L of liquid on 10-inch hot plate with powerful magnetic stirring
- Glass ceramic work plate provides excellent chemical resistant performance and most efficient heat transfer
- LCD display for precise monitoring of speed and temperature. External temperature control is possible by connecting the temperature sensor (PT1000) with an accuracy at $\pm 0.2^{\circ}\text{C}$
- Digital speed control of 100 ~ 1500rpm
- Max. heating plate temperature 500°C
- The "HOT" warning will flash when the work plate temperature is above 50°C even when the hotplate is turned off
- Data connector: The SD card records the instrument's running data in real time.
- Timing function: the running time of the instrument can be set.

MS7-H550-Pro

LCD Digital Magnetic Hotplate Stirrer
With 7 Inch Ceramic Plate

MS7-H550-S

LED Magnetic Hotplate Stirrer
With 7 Inch Ceramic Plate



Features

- LCD displays actual temperature & speed
- Built-in PID controller ensures safe heating of the medium with overheating protection
- Maximum heating plate temperature up to 550°C
- Glass ceramic work plate is resistant to corrosion and is easy to clean
- External temperature control is possible by connecting temperature sensor(PT1000) with an accuracy of $\pm 0.2^{\circ}\text{C}$
- Digital speed control with maximum range of 1500rpm
- Outstanding brushless DC motor offers more stirring power
- Two knobs enable easy adjustment of speed and temperature
- "HOT" warning flashes when work plate temperature is above 50°C even when hotplate is turned off
- Remote function provides PC control and data transmission

Specifications	MS10-H500-Pro	MS7-H550-Pro	MS7-H550-S
Work plate Dimension [W x D]	254x254mm (10 inch)	184x184mm (7 inch)	184x184mm (7 inch)
Work plate material	Glass ceramic	Glass ceramic	Glass ceramic
Motor type	Brushless DC motor	Brushless DC motor	Shaded pole motor
Stirring positions	1	1	1
Max. stirring quantity, [H ₂ O]	30L	20L	10L
Max. magnetic bar[length]	80mm	80mm	80mm
Speed range	100–1500rpm, resolution ± 1rpm	100–1500rpm, resolution ± 1rpm	0–1500rpm
Speed display	–	LCD	Scale
Temperature display	LCD	LCD	LED
Heating temperature range	Room Temp.–500°C, increment 1°C	Room Temp.–550°C, increment 1°C	Room Temp.–550°C, increment 5°C
Temperature control accuracy	± 1°C(<100°C) ± 1%(>100°C)	± 1°C(<100°C) ± 1%(>100°C)	± 10°C
Overheating protection	540°C	580°C	580°C
Temperature display accuracy	± 0.1°C	± 0.1°C	± 1°C
External temperature sensor	PT1000(accuracy ± 0.2°C)	PT1000(accuracy ± 0.2°C)	PT1000(accuracy ± 0.2°C)
"Hot" warning	50°C	50°C	50°C
Data connector	SD card	RS232	–
Protection class	IP21	IP21	IP21
Motor rating input	–	18W	15W
Motor rating output	–	10W	1.5W
Power	1400W	1050W	1030W
Heating output	1350W	1000W	1000W
Voltage	100–120/200–240V, 50/60Hz	100–120/200–240V, 50/60Hz	100–120/200–240V, 50/60Hz
Dimension [WxDxH]	328x424x138mm	215x360x112mm	215x360x112mm
Weight	7.18kg	5.3kg	4.5kg
Timer function	1min–99h59min	–	–
Permissible ambient temperature and humidity	5–40°C,80%RH	5–40°C,80%RH	5–40°C,80%RH



Overheating protection



External sensor



Chemical resistance



Wide range of accessories

Stirrer bars

Stirrer bars and stirrer bar remover (PTFE), use below 150°C

Cat. No.	Size of stirrer bars (LxØ)[mm]	Models		
		MS7-H550-Pro MS7-H550-S MS-H-Pro+ MS-H-Pro ^T MS-H-S MS-S	MS-H280-Pro MS-PA MS-PB	MS-H-S10 MS-M-S10 FlatSpin EcoStir
		Suitable for max. stirrer bar 80mm	Suitable for max. stirrer bar 50mm	Suitable for max. stirrer bar 40mm
 18900006	10mmx6mm	■	■	■
 18900007	15mmx8mm	■	■	■
 18900008	20mmx8mm	■	■	■
 18900009	25mmx8mm	■	■	■
 12500005	30mmx6mm	■	■	■
 18900011	40mmx8mm	■	■	■
 12500004	50mmx8mm	■	■	
 18900013	65mmx8mm	■		
 18900014	80mmx13mm	■		
 18900015	Stirrer bar remover, length of 200mm	■	■	■



Cat. No.	Description	MS10-H500-PRO	MS7-H550-S	MS-H-Pro ⁺	MS-H-Pro ^T	MS-H-S	MS-H280-Pro
 18900001	Blue carrying plate, use with color quarter pies			■	■	■	■
 18900065	Blue Fixed ring, use with color quarter pies			■	■	■	■
 18900002	Red quarter pie, 11 holes, 4 mL reaction vessel, Ø15.2mm, 20mm depth	■	■	■	■	■	■
 18900003	Purple quarter pie, 4 holes, 20 mL reaction vessel, Ø28mm, 24mm depth	■	■	■	■	■	■
 18900004	Blue quarter pie, 4 holes, 30mL reaction vessel, Ø28mm, 30mm depth	■	■	■	■	■	■
 18900005	Black quarter pie, 4 holes, 40mL reaction vessel, Ø28mm, 43mm depth	■	■	■	■	■	■
 18900048	Green quarter pie, 6 holes, 8mL reaction vessel, Ø17.8mm, 26mm depth	■	■	■	■	■	■
 18900049	Golden quarter pie, 4 holes, 16mL reaction vessel, Ø21.6mm, 31.7mm depth	■	■	■	■	■	■
 18101006	Reaction block for 50mL round bottom flask (one flask capacity)			■	■	■	■
 18101007	Reaction block for 100mL round bottom flask (one flask capacity)			■	■	■	■
 18101008	Reaction block for 250mL round bottom flask (one flask capacity)			■	■	■	■
 18101009	Reaction block for 500mL round bottom flask (one flask capacity)			■	■	■	■
 18900019	F101 protective cover, temperature resistance of 135°C			■	■	■	■
 18900016	PT1000-A, length of 230mm	■	■	■	■		■
 18900136	PT1000-B, temperature sensor with glass coated, length of 230mm	■	■	■	■		■
 18900017	Support clamp of PT1000	■	■	■	■		
 18900148	Support clamp of PT1000						■