



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