

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.

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 ± 1 rpm	100-1500rpm, resolution ± 1 rpm	0-1500rpm
Speed display	LCD	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 *	$\pm 1^\circ\text{C}(<100^\circ\text{C}) \pm 1\%(>100^\circ\text{C})$	$\pm 1^\circ\text{C}(<100^\circ\text{C}) \pm 1\%(>100^\circ\text{C})$	$\pm 10^\circ\text{C}$
Overheating protection	540°C	580°C	580°C
Temperature display accuracy	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	$\pm 1^\circ\text{C}$
External temperature sensor	PT1000(accuracy $\pm 0.2^\circ\text{C}$)	PT1000(accuracy $\pm 0.2^\circ\text{C}$)	PT1000(accuracy $\pm 0.2^\circ\text{C}$)
"Hot" warning	50°C	50°C	50°C
Data connector	SD card	RS232	-
Protection class	IP20	IP21	IP21
Motor rating output	10W	10W	5W
Power	1700W	1050W	1030W
Heating output	1500W	1000W	1000W
Voltage,Frequency	100-120/200-240V, 50/60Hz	100-120/200-240V, 50/60Hz	100-120/200-240V, 50/60Hz
Dimension [WxDxH]	328x424x138mm	215x360x112mm	215x360x112mm
Weight	7.2kg	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

*1 L beaker with 500 mL water, 50 °C, 40 mm magnetic stir bar, 500 rpm;
1 L beaker with 500 mL silicone oil, 120 °C, 40 mm magnetic stir bar, 500 rpm.



Overheating protection



External sensor



Chemical resistance



Wide range of accessories