

Magnetic Hotplate Stirrer

MS7-H550-Pro Product Description:

- LCD display for precise monitoring of speed and temperature.
- Built-in PID controller ensures safe heating of the medium with overheating protection Max. heating plate temperature 550°C.
- Glass ceramic work plate provides excellent chemical resistant performance and most efficient heat transfer.
- External temperature control is possible by connecting the temperature sensor(PT1000) with an accuracy at $\pm 0.2^{\circ}\text{C}$.
- Digital speed controlling, max. speed at 1500rpm.
- Outstanding brushless DC motor enables more stirring power.
- Two rotating knobs enable easy adjustment of speed and temperature.
- The "HOT" warning will flash when the work plate temperature is above 50°C even when the hotplate is turned off.
- Remote function provides PC control and data transmission.



MS7-H550-S Product Description:

- LED display for precise monitoring of temperature.
- A wide speed range of 0 to 1500rpm.
- Max. Heating plate temperature 550°C.
- External temperature control is possible by connecting the temperature sensor(PT1000) with accuracy at $\pm 0.2^{\circ}\text{C}$.
- The "HOT" warning will flash if the work plate temperature is above 50°C

Specifications	MS7-H550-Pro	MS7-H550-S
Work plate Dimension (W x D)	184*184mm (7 inch)	184*184mm (7 inch)
Work plate material	Glass ceramic	Glass ceramic
Motor type	Brushless DC motor	Shaded pole motor
Stirring positions	1	1
Max. stirring quantity, [H2O]	20L	10L
Max. magnetic bar[length]	80mm	80mm
Speed range	100-1500rpm resolution $\pm 1\text{rpm}$	0-1500rpm
Speed display	LCD	Scal
Temperature display	LCD	LED
Heating temperature range	Room Temp.-550°C, increment 1°C	Room temp.-550°C, increment 5°C
Temperature control accuracy	$\pm 1^{\circ}\text{C}$ ($<100^{\circ}\text{C}$) $\pm 1\%$ ($>100^{\circ}\text{C}$)	$\pm 10^{\circ}\text{C}$
Overheating protection	580°C	580°C
Temperature display accuracy	$\pm 0.1^{\circ}\text{C}$	$\pm 1^{\circ}\text{C}$
External temperature sensor	PT1000 (accuracy ± 0.2)	PT1000 (accuracy ± 0.2)
"Hot" warning	50°C	50°C
Data connector	RS232	-
Protection class	IP21	IP21
Motor rating input	18W	15W
Motor rating output	10W	1.5W
Power	1050W	1030W
Heating output	1000W	1000W
Voltage	100-120/200-240V 50/60Hz	100-120/200-240V 50/60Hz
Dimension [WxDxH]	215x360x112mm	215x360x112mm
Weight	5.3kg	4.5kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH