

Magnetic Hotplate Stirrers

Magnetic stirrer is developed for demanding applications. It is widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals, to name a few, etc. Combining with glass ceramic work plate, brushless DC motor, external temperature sensor and the work plate temperature optimized up to 550°C.

MS7-H550-Pro LCD Digital Magnetic Hotplate Stirrer

Features

- LCD display for precise monitoring of speed and temperature
- Built-in PID controller ensures the 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(PT 1000) with an accuracy at $\pm 0.2^{\circ}\text{C}$
- Digital speed controlling, Max. speed at 1500rpm
- Outstanding brushless DC motor performance enables more stirring power
- Two rotating knobs enable the easy and direct change of speed and temperature
- The "HOT" warning will flash when the work plate temperature is above 50°C even if the hotplate is turned off
- Remote function provides PC control and data transmission



Wide range of accessory



Chemical resistance

Specifications

	MS7-H550-Pro
Work plate Dimension [W x D]	184x184mm (7 inch)
Work plate material	Glass ceramic
Motor type	Brushless DC motor
Motor rating input	18W
Motor rating output	10W
Power	1050W
Heating output	1000W
Voltage	100~120/200~240V 50/60Hz
Stirring positions	1
Max. stirring quantity, [H ₂ O]	20L
Max. magnetic bar[length]	80mm
Speed range	100~1500rpm resolution $\pm 1\text{rpm}$
Speed display	LCD
Temperature display	LCD
Heating temperature range	Room Temp.-550°C, increment 1°C
Temperature control accuracy	$\pm 1^{\circ}\text{C}$ (<100°C) $\pm 1\%$ (>100°C)
Overheating protection	580°C
Temperature display accuracy	$\pm 0.1^{\circ}\text{C}$
External temperature sensor	PT1000 (accuracy ± 0.2)
"Hot" warning	50°C
Data connector	RS232
Protection class	IP21
Dimension [W x D x H]	215x360x112mm
Weight	5.3kg
Permissible ambient temperature and humidity	5~40°C 80%

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