

## MS-H-Pro+ LCD Digital Magnetic Hotplate Stirrer

340°C magnetic hotplate stirrers are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals and other fields.

PID temperature technology precise controls heating process, rapidly reaches target temperature and enhances control accuracy, heating temperature up to 340°C. Stainless steel with ceramic coated hotplate resists to corrosion, also with good uniformity of heating. The hotplate models are suitable for external temperature sensor PT1000, display and control actual medium temperature.

MS-H-Pro+ with external temperature sensor PT1000stainless steel and ceramic coated hotplate

## Reatures:

- External temperature sensor PT1000 is available for hotplate model, real-time controls medium temperature.
- Simple running interface easy to use and program. Automatically identify temperature sensor PT1000 and transfer to PT1000 operation mode.
  Record and display the last running parameter when switch on.
- LCD display target and actual temperatures, as well as set and actual speed can be displayed.
- PID temperature technology precise controls heating process, rapidly reaches target temperature and enhances control accuracy.
- Brushless DC motor maintenance free and explosion-proofed, accurately control speed
- Fully closed assembly guarantees safety and long service life, effectively prevents the liquid into unit to protect the components from damage.
- Separate safety circuits, fixed safety temperature of 360°C, Automatically stops heating once exceed secure temperature
- HOT warning indicates residual hotplate temperature.
- LCD display would show "Hot" when hotplate temperature over 50°C warning point, even if switched off
- Free software StirPC, computer can control and document all operation values via RS232 interface





## Parameters

SPECIFICATIONS	MS-H-PRO+
Work plate dimension	φ135mm(5 inch)
Work plate material	stainless steel cover with ceramic
Motor type	Brushless DC motor
Motor rating input	18W
Motor rating output	10W
Power	550W
Heating output	500W
Voltage	100-120/200-240V 50/60Hz
Stirring positions	1
Max. stirring quantity[H2O]	20L
Max. magnetic bar[length]	80 mm
Speed range	100-1500rpm resolution±1rpm
Speed display	LCD
Temperature display	LCD
Heating temperature range	Room temp340°C, increment 1°C
Temperature control accuracy	$\pm 1^{\circ}\text{C}(<100^{\circ}\text{C}) \pm 1\%(>100^{\circ}\text{C})$
Over temperature protection	360°C
Temperature display accuracy	±0.1°C
External temperature sensor	PT1000 (accuracy ±0.2)
"Hot" warning	50°C
Data connector	RS232
Protection class	IP42
Dimension[WxDxH]	160×280×85mm
Weight	2.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH