

These magnetic stirrers deliver powerful, smooth mixing and safe heating. These are useful in biological, physical, chemical, pharmaceutical laboratories, etc.



### MS-H-Pro<sup>+</sup> LCD Digital Hotplate Magnetic Stirrer

#### Features

- LCD Digital control of speed and temperature.
- Maintenance free brushless DC motor.
- RS232 interface enables data preservation and transmission and control through a PC.
- Speed setting range from 0-1500rpm.
- RS232 interface provides PC control and data transmission.
- Ceramic work plate with max. temperature of 340°C.
- Various optional accessories make it suitable for many applications.
- “Hot” warning safety indication on LED when the plate temperature exceeds above 50°C.
- PT1000 external temperature sensor for precise temperature control accuracy of  $\pm 0.2^{\circ}\text{C}$ .

### MS-H-Pro<sup>T</sup> LCD Digital Hotplate Magnetic Stirrer with Timer

#### Features

- LCD Digital control of speed, temperature and time.
- Brushless DC motor with 550W power.
- Speed setting range up to 1500rpm.
- RS232 interface provides PC control and data transmission.
- Ceramic work plate with max. temperature of 340°C.
- Various optional accessories make it suitable for many applications.
- “Hot” warning safety indication on LED when the plate temperature exceeds above 50°C.
- PT1000 external temperature sensor for precise temperature control accuracy of  $\pm 0.2^{\circ}\text{C}$ .
- Timer setting ranges from 1min to 99h59min.



## MS-H-S

### Magnetic Hotplate Stirrer

#### Features

- Maximum heating temperature 340°C.
- Maximum speed setting range up to 1500rpm.
- 530W high power brushless DC motor.
- Ceramic coated work plate provides good resistance and efficient heat transfer.
- Overheating protection with "hot" warning indication if temperature exceeds above 50°C.
- Various optional accessories makes it suitable for many applications.



Specifications	MS-H-PRO <sup>+</sup>	MS-H-PRO <sup>T</sup>	MS-H-S
Work plate dimension	φ135mm(5 inch)	φ135mm(5 inch)	φ135mm(5 inch)
Work plate material	stainless steel cover with ceramic	stainless steel cover with ceramic	stainless steel cover with ceramic
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor
Motor rating input	18W	18W	18W
Motor rating output	10W	10W	10W
Power	550W	550W	530W
Heating output	500W	500W	500W
Voltage	100-120/200-240V 50/60Hz	100-120/200-240V 50/60Hz	100-120/200-240V 50/60Hz
Stirring positions	1	1	1
Max. stirring quantity[H <sub>2</sub> O]	20L	20L	20L
Max. magnetic bar[length]	80mm	80mm	80mm
Speed range	100-1500rpm resolution±1rpm	100-1500rpm resolution±1rpm	0-1500rpm resolution±1rpm
Speed display	LCD	LCD	Scale
Temperature display	LCD	LCD	Scale
Heating temperature range	Room temp.-340°C, increment 1°C	Room temp.-340°C, increment 1°C	Room temp.-340°C
Temperature control accuracy	±1°C(<100°C) ±1%(>100°C)	±1°C(<100°C) ±1%(>100°C)	-
Over temperature protection	360°C	360°C	350°C
Temperature display accuracy	±0.1°C	±0.1°C	±0.5°C
External temperature sensor	PT1000 (accuracy ±0.2)	PT1000 (accuracy ±0.2)	-
"Hot" warning	50°C	50°C	-
Timer function	-	1min to 99h 59min	-
Data connector	RS232	RS232	-
Protection class	IP42	IP42	IP42
Dimension[WxDxH]	160×280×85mm	160×280×85mm	160×280×85mm
Weight	2.8kg	2.8kg	2.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH