

# LCD Digital Magnetic Hotplate Stirrer with Time

## Model: MS-H-ProT

#### Features:

### Safe Heating and Mixing

- Conforms to international safety standards and regulations
- Brushless DC motor is maintenance free and explosion-proof
- Fully closed aluminum alloy casing has a high IP protection class(IP42)
- The temperature sensor consists of two independent safety circuits, which switches off heating in case of any over temperature situation
- "HOT" sign warning to prevent burns, even if switched off.

#### Precise temperature and speed control

- Temperature is up to 340°C
- $\bullet$  Intergrated temperature sensor PT 1000 for precise temperature control. Control accuracy is  $\pm 0.2^{\circ}$ C
- Excellent heat control accuracy at the work plate:  $\pm 1 (<100^{\circ}\text{C}) \pm 1\% (>100^{\circ}\text{C})$
- Electronic speed control, max speed is 1500rpm.

#### Convenient

- Digital process timer allows for unattended operation and can be set from 1min to 99h 59min. When the set time has elapsed, the operation stops
- Backlit LCD display target and actual temperatures and speed
- Automatically identifies temperature sensor PT1000 and transfer to PT1000 operation mode.
- Stainless steel with ceramic coated hotplate allows immediate heat transfer for quick heat-up times, chemical-resistant and scratch proof
- Max. stirring quantity 20L
- PC can control and document all parameters via RS232 interface
- Used with a wide variety of accessories

### Parameters

SPECIFICATIONS	MS-H-PROA
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 $\pm 0.2$ )
"Hot" warning	50°C
Timer function	1min to 99h 59min
Data connector	RS232
Protection class	IP42
Dimension[WxDxH]	160×280×85mm
Weight	2.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

