7" inch hotplate magnetic Stirrers are suitable for various heating and mixing applications with excellent chemical resistance, compact shape and efficient heat transfer. They are widely used in every field of science like biology, chemistry, physical science, pharmaceutical science etc.

Magnetic Hotplate Stirrers

MS7-H550-Pro
LCD Hotplate Magnetic Stirrer

Features

- Microprocessor PID controls.
- LCD display with speed and temperature control knobs.
- Ceramic work plate with a high power of 1050W reaches a maximum temperature of 550°C.
- Max. Heating temperature of 550°C.
- Ceramic workplate of 184x184mm inches.
- Speed is adjustable from 100 to 1500rpm.
- Safety indication on LCD when the plate temperature exceeds above 50°C.
- PT1000 External temperature sensor for precise temperature control.
- RS232 interface enables data preservation and control through a PC.

MS7-H550-S
LED Hotplate Magnetic Stirrer

Features

- LED display with speed and temperature control knobs.
- Adjustable speed range: 0-1500rpm.
- Ceramic workplate with a maximum temperature of 550°C.
- PT1000 External temperature sensor for precise temperature control at an accuracy of ±0.2°C
- "Hot" warning safety indication on LED when the plate temperature exceeds above 50°C.

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Specifications	MS7-H550-Pro	MS7-H550-S
Work plate Dimension [W x D]	184x184mm (7 inch)	184x184mm (7 inch)
Work plate material	Glass ceramic	Glass ceramic
Motor type	Brushless DC motor	Shaded pole motor
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
Stirring positions	1	1
Max. stirring quantity, [H_2O]	20L	10L
Max. magnetic bar[length]	80mm	80mm
Speed range	100-1500rpm resolution ±1rpm	0-1500rpm
Speed display	LCD	Scale
Temperature display	LCD	LED
Heating temperature range	Room Temp.-550°C, increment 1°C	Room temp.-550°C, increment 5°C
Temperature control accuracy	±1°C(<100°C) ±1%(>100°C)	±10°C
Overheating protection	580°C	580°C
Temperature display accuracy	±0.1°C	±1°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
Dimension [WxDxH]	215x360x112mm	215x360x112mm
Weight	5.3kg	4.5kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH

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	Cat. No.	Description	MS7-H550-Pro	MS7-H550-S	MS-H-Pro+	MS-H-ProT	MS-H-S	MS-H280-Pro
①	18900001	Blue carrying plate, use with color quarter pies			√	√	√	√
②	18900065	Blue Fixed ring, use with color quarter pies			√	√	√	√
③	18900002	Red quarter pie, 11 holes, 4 mL reaction vessel, Ø15.2mm, 20mm depth	√	√	√	√	√	√
④	18900003	Purple quarter pie, 4 holes, 20 mL reaction vessel, Ø28mm, 24mm depth	√	√	√	√	√	√
⑤	18900004	Blue quarter pie, 4 holes, 30mL reaction vessel, Ø28mm, 30mm depth	√	√	√	√	√	√
⑥	18900005	Black quarter pie, 4 holes, 40mL reaction vessel, Ø28mm, 43mm depth	√	√	√	√	√	√
⑦	18900048	Green quarter pie, 6 holes, 8mL reaction vessel, Ø17.8mm, 26mm depth	√	√	√	√	√	√
⑧	18900049	Golden quarter pie, 4 holes, 16mL reaction vessel, Ø21.6mm, 31.7mm depth	√	√	√	√	√	√
⑨	18101006	Reaction block for 50mL round bottom flask (one flask capacity)			√	√	√	√
⑩	18101007	Reaction block for 100mL round bottom flask (one flask capacity)			√	√	√	√
⑪	18101008	Reaction block for 250mL round bottom flask (one flask capacity)			√	√	√	√
⑫	18101009	Reaction block for 500mL round bottom flask (one flask capacity)			√	√	√	√
⑬	18900016	PT1000-A, length of 230mm	√	√	√	√		√
⑭	18900136	PT1000-B, temperature sensor with glass coated, length of 230mm	√	√	√			√
⑮	18900017	Support clamp of PT1000	√	√	√	√		
⑯	18900148	Support clamp of PT1000						√

① ② ③ ④ ⑤ ⑥
⑦ ⑧ ⑨ ⑩ ⑪ ⑫
⑬ ⑭ ⑮ ⑯