

DLAB 550°C series 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



MS7-H550-S LED Magnetic Hotplate Stirrer

Features

- LED display for precise monitoring of temperature
- A wide speed range of 0 to 1500rpm
- Max. Heating plate temperature 550°C
- External temperature control is possible by connecting the temperature sensor(PT 1000) with accuracy at $\pm 0.2^{\circ}\text{C}$
- The "HOT" warning will flash when the work plate temperature is above 50°C even the hotplate is turned off



Overheating protection



External sensor



Wide range of accessory



Chemical resistance

Specifications

Work plate Dimension [W x D]
Work plate material
Motor type
Motor rating input
Motor rating output
Power
Heating output
Voltage
Stirring positions
Max. stirring quantity, [H ₂ O]
Max. magnetic bar[length]
Speed range
Speed display
Temperature display
Heating temperature range
Temperature control accuracy
Overheating protection
Temperature display accuracy
External temperature sensor
"Hot" warning
Data connector
Protection class
Dimension [W x D x H]
Weight
Permissible ambient temperature and humidity



MS7-H550-Pro	MS7-H550-S
184x184mm (7 inch)	184x184mm (7 inch)
Glass ceramic	Glass ceramic
Brushless DC motor	Shaded pole motor
18W	15W
10W	1.5W
1050W	1030W
1000W	1000W
100~120/200~240V 50/60Hz	100~120/200~240V 50/60Hz
1	1
20L	10L
80mm	80mm
100~1500rpm resolution ±1rpm	0~1500rpm
LCD	Scale
LCD	LED
Room Temp. -550°C, increment 1°C	Room temp. -550°C, increment 5°C
±1°C(<100°C) ±1%(>100°C)	±10°C
580°C	580°C
±0.1°C	±1°C
PT1000 (accuracy ±0.2)	PT1000 (accuracy ±0.2)
50°C	50°C
RS232	-
IP21	IP21
215x360x112mm	215x360x112mm
5.3kg	4.5kg
5~40°C 80%	5~40°C 80%

Magnetic Hotplate Stirrers

DLAB 340°C magnetic hotplate stirrers include all leading safety standards and features for superior easy of use and cost-effective. They are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals, etc.

MS-H-Pro^T LCD Digital Magnetic Hotplate Stirrer with Timer

MS-H-Pro⁺ LCD Digital Magnetic Hotplate Stirrer

Features

- Brushless DC motor is maintenance free and explosion-proof
- Digital temperature control with Max. temperature at 340°C
- Digital speed control with Max. speed up to 1500rpm
- Max. stirring quantity of H₂O at 20L
- Safety circuits provide overheating protection
- The "HOT" warning will flash when the plate temperature is above 50°C even the hotplate is turned off
- Wide range timer function from 1min to 99h59min(MS-H-Pro^T only)
- The high-resolution LCD display shows actual temperatures and speed(MS-H-Pro⁺ include the time)
- External temperature control is possible by connecting the temperature sensor(PT 1000) with accuracy at ±0.2°C
- Stainless steel work plate with ceramic coating providing good chemical-resistant performance
- Remote function provide PC control and data transmission
- A wide variety of accessories are available



MS-H-S Magnetic Hotplate Stirrer

Features

- Maintenance free brushless DC motor
- Temperature to 340°C
- Stirring speed up to 1500 rpm
- Stainless steel work plate with ceramic coating provides good chemical-resistant performance
- Safety circuits provide overheating protection
- A wide variety of accessories are available



Magnetic Hotplate Stirrers

MS-H-S10

10-Position Magnetic Hotplate Stirrer

Features:

- Maintenance-free brushless DC motor
- Max speed 1100rpm
- Max. temperature 120°C
- Stainless steel work plate, cover with silicone cushion, provides the excellent performance of heating uniformity and skid resistance



Skid resistance



Multiple position



Brushless DC motor

Specifications



MS-H-S10

Work plate Dimension [W x D]	180x450mm()
Work plate material	Stainless steel with silicone
Motor type	Brushless DC motor
Motor rating input	12W
Motor rating output	4W
Power	490W
Heating output	470W
Voltage	100~120/200~240V 50/60Hz
Stirring positions	10
Max. stirring quantity	0.4L x 10
Max. magnetic bar[length]	40mm
Speed range	0~1100rpm
Speed display	scale
Temperature display	scale
Heating temperature range	Room temp.~120°C
Overheating protection	140°C
Protection class	IP42
Dimension [W x D x H]	182x622x65mm
Weight	3.2kg
Permissible ambient temperature and humidity	5~40°C 80%

Magnetic Hotplate Stirrers | Accessories



Cat. No.	Descriptions	MS7-H550-Pro	MS7-H550-S	MS-H-Pro ⁺	MS-H-Pro ^T	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 18900019	F101 protective cover, temperature resistance of 135°C			■	■	■	■
⑭ 18900016	PT1000-A, length of 230mm	■	■	■	■		■
⑮ 18900136	PT1000-B, temperature sensor with glass coated, length of 230mm	■	■	■	■		■
⑯ 18900017	Support clamp of PT1000	■	■	■	■		
⑰ 18900148	Support clamp of PT1000						■



Stirrer bars

Stirrer bars and stirrer bar remover (PTFE), use below 150°C

Models

MS-H550-Pro
MS-H550-S
MS-H-Pro⁺
MS-H-Pro⁺
MS-H-S
MS-S

MS-H280-Pro
MS-PA
MS-PB

MS-H-S10
MS-M-S10
FlatSpin
EcoStir

Cat. No.	Size of stirrer bars (L x Ø) [mm]	Suitable for Max. stirrer bar 80mm	Suitable for Max. stirrer bar 50mm	Suitable for Max. stirrer bar 40mm
18900006	10mm x 6mm	■	■	■
18900007	15mm x 8mm	■	■	■
18900008	20mm x 8mm	■	■	■
18900009	25mm x 8mm	■	■	■
12500005	30mm x 6mm	■	■	■
18900011	40mm x 8mm	■	■	■
12500004	51mm x 8mm	■	■	
18900013	65mm x 8mm	■		
18900014	80mm x 13mm	■		
18900015	Stirrer bar remover, length of 200mm	■	■	■

HP550-S LED Hotplate

Features:

- LED display shows temperature
- Max. temperature to 550°C.
- Separate safety circuits with fixed safety temperature of 580°C
- External temperature control is possible by connecting the temperature sensor (PT 1000) with an accuracy at $\pm 0.5^\circ\text{C}$
- Glass ceramic work plate provides excellent chemical-resistant performance and most efficient heat transfer
- The "HOT" warning will flash when the work plate temperature is above 50°C even the hotplate is turned off



Wide range of accessory



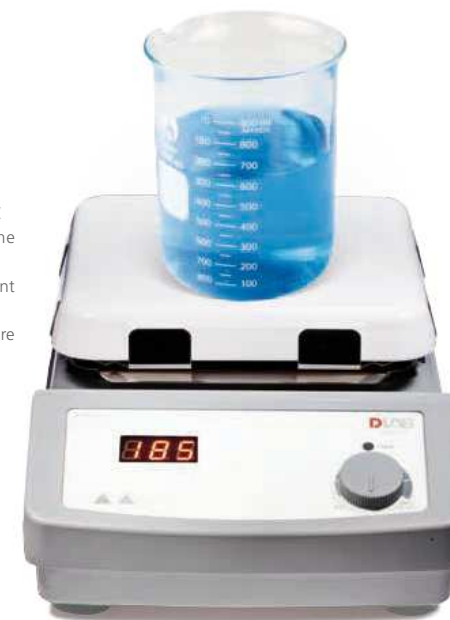
Chemical resistance



Overheating protection



"HOT" warning to prevent burns



Specifications

	HP550-S
Work plate Dimension [W x D]	184x184mm (7 inch)
Work plate material	Glass ceramic
Power	1010W
Voltage Frequency	100~120/200~240V, 50/60Hz
Heating Power	1000W
heating position	1
Heating temperature range	Room temp.-550°C, increment 5°C
Control accuracy of work plate	$\pm 10^\circ\text{C}$
Safety temperature	580°C
Temperature display	led
Temperature display accuracy	$\pm 1^\circ\text{C}$
External temperature sensor	PT1000($\pm 0.5^\circ\text{C}$)
Heating warning	50°C
Protection class	IP2X
Dimension [W x D x H]	215x360x112mm
Weight	4.5kg
Permissible ambient temperature and humidity	5~40°C 80%