°C External sensor

Brushless DC motor

Wide range of accessory

RS232 connector

Chemical resistance

Specifications

	MS-H-PRO⁺	MS-H-PROᵀ	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_2O]	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 [W x D x H]	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%	5~40°C 80%	5~40°C 80%

DLAB MS-H280-Pro is a perfect device for handling small volume task on daily application, as a low temperature magnetic stirrer with Max. temperature at 280°C.

MS-H280-Pro
LED Digital Magnetic Hotplate Stirrer

Features:

- Digital temperature control with Max. temperature to 280°C
- Digital speed control with Max. speed up to 1500rpm
- Stainless steel work plate with ceramic coating provides good chemical-resistant performance
- External temperature control is possible by connecting the temperature sensor (PT 1000) with an accuracy at ±0.5°C
- LED display shows temperature and speed
- The "HOT" warning will flash when the work plate temperature is above 50°C even if the hotplate is turned off

°C External sensor

Wide range of accessory

Chemical resistance

LED LED display

Specifications

	MS-H280-Pro
Work plate Dimension	φ135mm(5 inch)
Work plate material	stainless steel cover with ceramic
Motor type	DC motor
Motor rating input	5W
Motor rating output	3W
Power	515W
Heating output	500W
Voltage	100~120/200~240V 50/60Hz
Stirring positions	1
Max. stirring quantity	3L
Max. magnetic bar[length]	50mm
Speed range	100~1500rpm
Speed display	LED
Temperature display	LED
Speed display resolution	±1rpm
Heating temperature range	Room temp.-280, increment 1°C
Control accuracy of work plate	±1°C(<100°C) ±1%(>100°C)
Overheating protection	320°C
Temperature display accuracy	±1°C
External temperature sensor	PT1000 (accuracy ±0.5°C)
"Hot" warning	50°C
Protection class	IP21
Dimension [W x D x H]	150×260×80mm
Weight	1.8kg
Permissible ambient temperature and humidity	5~40°C 80%

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]	182×622×65mm
Weight	3.2kg
Permissible ambient temperature and humidity	5~40°C 80%

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
⑨ ⑩ ⑪ ⑫ ⑭
⑮ ⑯ ⑰ ⑬

	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

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
		Models		
		MS-H550-Pro MS-H550-S MS-H-Pro⁺ MS-H-Proᵀ MS-H-S MS-S	MS-H280-Pro MS-PA MS-PB	MS-H-S10 MS-M-S10 FlatSpin EcoStir
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 ±0.5°C
- Glass ceramic work plate provides excellent chemical-resistant performance and most efficient heat transferer
- The "HOT" warning will flash when the work plate temperature is above 50°C even the hotplate is turned off
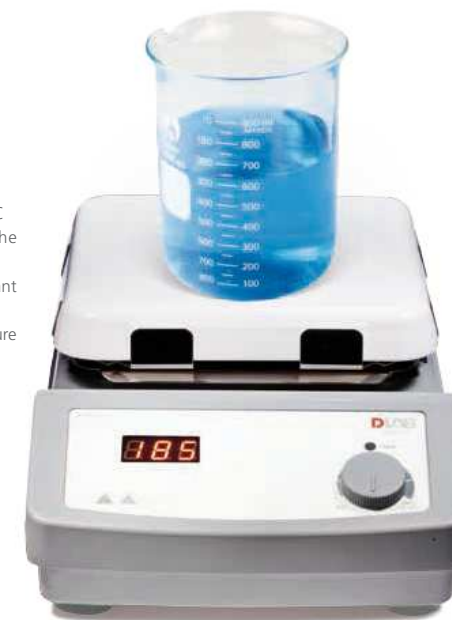
Wide range of accessory

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	±10°C
Safety temperature	580°C
Temperature display	led
Temperature display accuracy	±1°C
External temperature sensor	PT1000(±0.5°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%