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HOTPLATES & STIRRERS



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Stirrer, LED Digital, Overhead Type

OHS-20 OHS-40

Features

- High reliability and outstanding performance.
- A wide range of speed from 50 to 2200rpm.
- Brushless DC motor for long life, maintenance free and explosion proof.
- LED screen for monitoring actual speed.
- Safety circuits allow for safe stop function in anti-stall or overload conditions.



Specifications

Model	OHS-20	OHS-40
Max. stirring quantity [H ₂ O]	20L	40L
Speed range	50~2200rpm	50~2200rpm
Max. torque	40N · cm	60N · cm
Viscosity max.	10000mPa · s	50000mPa · s
Motor type	Brushless DC motor	Brushless DC motor
Speed display	LED	LED
Overload protection display	LED	LED
Chuck range diameter	0.5~10mm	0.5~10mm
Motor input power	60W	120W
Motor output power	50W	100W
Power	70W	130W
Voltage	100~240V, 50/60 Hz	100~240V, 50/60 Hz
Protection class	IP21	IP21
Permissible ambient temperature and humidity	5~40℃, 80%RH	5~40℃, 80%RH
Dimension (W*D*H)(mm)	83 x 186 x 220mm	83 x 186 x 220mm
Weight(kg)	2.8	2.8
G.W.(kg)	12.5	13.4
Package Dimension (W*D*H)(mm)	520*400*370mm	520 x 380 x 500mm

Stirrer, LED Digital, Overhead Type

OHS-20P OHS-40P OHS-70P

Features

- Speed 50~1100rpm with control accuracy of ±10rpm.
- Brushless DC motor for long life, maintenance free.
- Constant speed despite viscosity change of the sample.
- Spillage and overload protection safety circuits.
- Remote PC control and data transmission.
- Self - locking drill chuck, tools free.
- Stirring paddle “topcross” design, easy to replace the container.
- Start/run smoothly, prevent sample splatter or overflow.
- Silicone cover protecting drill chuck from erosive vapor.
- LCD display of set and actual speed, torque and time (for OS70).



Specifications

Model	OHS-20P	OHS-40P	OHS-70P
Max. stirring quantity [H ₂ O]	20L	40L	70L
Speed range	50~2200rpm	50~2200rpm	50~1100rpm
Speed display accuracy	±3rpm	±3rpm	±10rpm
Time settings range	-	-	0~99h59min
Max. torque	40N~cm	60N~cm	300N~cm
Viscosity max.	10000mPa·s	50000mPa·s	100000mPa·s
Weight	2.8kg	2.8kg	3.2kg
Motor type	Brushless DC motor		
Voltage	100~240V, 50/60 Hz		
Speed display	LCD		
Torque display	LCD		
Overload protection display	LCD		
Chuck range diameter	0.5~10mm		
Motor input/output power	60W/50W	120W/100W	180W/160W
Power	70W	130W	200W
Dimension [WxHxD]	83 x 220 x 186mm		
Protection class	IP21		
Permissible ambient temperature and humidity	5~40℃,80%RH		
Data interface	RS232		

Accessories of Overhead Stirrers

Plate Stands

Universal Plate Stand (for OHS-20/OHS-20P/OHS-40/OHS-40P/OHS-70P)



Dimension [W×D×H]: 200mm×310mm×780mm
Material: stainless steel
Cat. No. 18900258

Grand Plate Stand (for OHS-70P)



Dimension [W×D×H]: 335mm×463mm×780mm
Material: stainless steel
Cat. No. 18900497

Stirrer

Stainless Steel Series(for OHS-20/OHS-20P/OHS-40/OHS-40P/OHS-70P)

Cat No. 18900071	Propeller stirrer	Cat No. 18900073	Paddle stirrer
	Shaft length 40cm Stirrer diameter 5cm Material: 304L stainless steel Standard stirring applications at medium and high speed		Shaft length 40cm Stirrer diameter 6.8cm Material: 304L stainless steel For gentle mixing at low and medium speed
Cat No. 18900072	Straight stirrer	Cat No. 18900074	Centrifugal stirrer
	Shaft length 40cm Stirrer diameter 6cm Material: 304L stainless steel For low viscosity media at medium and high speeds		Shaft length 40cm Stirrer diameter 9cm Material: 304L stainless steel For narrow neck vessels at medium to high speed

PTFE Coating Series(for OHS-20/OHS-20P/OHS-40/OHS-40P/OHS-70P)

Cat No. 18900075	Propeller stirrer	Cat No. 18900077	Paddle stirrer
	Shaft length 35cm Stirrer diameter 6.5cm Material: PTFE coated Standard stirring applications at medium and high speed		Shaft length 35cm Stirrer diameter 6.8cm Material: PTFE coated For gentle mixing at low and medium speed
Cat No. 18900076	Straight stirrer	Cat No. 18900078	Centrifugal stirrer
	Shaft length 35cm Stirrer diameter 7cm Material: PTFE coated For low viscosity media at medium and high speeds		Shaft length 35cm Stirrer diameter 8.5cm Material: PTFE coated For narrow neck vessels at medium to high speed

Grand Series (for OHS-20/OHS-20P/OHS-40/OHS-40P/OHS-70P)

Cat No. 18900478	Grand propeller stirrer	Cat No. 18900499	Grand paddle stirrer
	Shaft length 60cm Stirrer diameter 10cm Material: 316L stainless steel Standard stirrer		Shaft length 60cm Stirrer diameter 10cm Material: 316L stainless steel Gentle mixing for those stratify easily or sensitive to shear
Cat No. 18900498	Grand anchor stirrer	Cat No. 18900500	Grand dissolving stirrer
	Shaft length 60cm Stirrer diameter 10cm Material: 316L stainless steel Standard stirring or for those easily precipitate		Shaft length 60cm Stirrer diameter 10cm Material: 316L stainless steel Breaking down granules in the mixture with strong shear

Stirrer, Overhead Type

OHS-20B OHS-20E OHS-40E



OHS-20B



OHS-20E OHS-40E

Features

- Stainless steel head restraints, more durable.
- Digital display model, stirring has three modes: positive, reverse, positive and negative alternating.

Specifications

Model		OHS-20B	OHS-20E	OHS-40E
Function	Max. Volume(L)	20	20	40
	digital	-	LCD	LCD
	Speed(r.p.m)	100 ~ 2500	100 ~ 2500	100 ~ 2500
	Working time	Continuous	Continuous	Continuous
	Minimum revolution (r.p.m)	100	100	100
Structure	Exterior	Plastic shell	Plastic shell	Plastic shell
	Driving mode	Motor	Motor	Motor
	Motor power (kW)	0.06	0.06	0.08
Controller	Continuous operation	Yes	Yes	Yes
	Setting mode	Scale	Digital	Digital
	Speed display mode	Scale	Digital	Digital
	Timer	No	Yes	Yes
	Operation function	No	Yes	Yes
Specification	Exterior size (W×L×H)(mm)	115×95×240	115×95×240	115×95×240
	Package Dimension (W*D*H)(mm)	400×270×210	400×270×210	410×270×210
	Plate size (mm)	200×300	200×300	200×300
	Plate load	50KG	50KG	50KG
	Power supply (50/60Hz) Current rating	100 ~ 240V	100 ~ 240V	100 ~ 240V
	NW/GW (kg)	5/8.5	6/8.5	7/9

Overhead Stirrer

OHS-50



Features

- 

LCD screen display, speed and time can be roughly adjusted, and working time can also be fine-tuned in working state;
- 

The speed is 30-2200rpm, the speed can be constant, and the high and low speeds are controllable;
- 

DC brushless motor, which can run safely for a long time;
- 

Overload and motor protection, in case of overload, short circuit or abnormality, it will automatically cut off the circuit and alarm to ensure the safety of the experiment;
- 

With the penetration hole of the stirring propellers, the user does not need to adjust the installation height of the instrument, only the installation position of the stirring rod is required;
- 

The torque can be automatically adjusted according to the viscosity change of the sample, which is convenient for experimental operation;
- 

Various stirring propellers and supports are optional.



Description

- The overhead stirrer utilizes a self-locking collet and can be equipped with a square lifting and fixing clip. Large LCD display, adjustable speed and time, used for mixing solid-liquid, liquid-liquid or medium and high viscosity samples. It is mainly applied in fields such as scientific research, medicine, chemical industry, petrochemicals, cosmetics, food, biology, etc.

Specification

Model	OHS-50
Max.Mixing Volume	20L
Speed Range	30~2200 rpm
Speed Accuracy	±1 rpm
Speed Display	LCD
Speed Mode	Coarse and fine adjustment
Timing Range	1~9999 min
Max.Torque	40 N·cm
Max. Viscosity	10000mPa·s
Input Power	60W
Output Power	50W
Protection Class	IP42
Overload Protection	Display failure and stop automatically
Motor Protection	Display failure and stop automatically
Safety Protection	Chuck protective cover and anti-slip pad
Electricity	100~240V, 50/60Hz
Allowable Ambient Temperature	5~40 ℃
Allowable Ambient Humidity	80%
Instrument Dimensions	315*200*780 mm
Instrument Package Dimensions	475*340*200 mm
Instrument Set Package Dimensions	803*400*140 mm
N.W./G.W. of Instrument	4.4kg/6.5kg
N.W./G.W. of Instrument Set	7kg/12.4kg

Overhead Stirrer

OHS-100



Features

- 

LCD screen display, speed and time can be roughly adjusted, and working time can also be fine-tuned in working state;
- 

The speed is 30-2200rpm, the speed can be constant, and the high and low speeds are controllable;
- 

DC brushless motor, which can run safely for a long time;
- 

Overload and motor protection, in case of overload, short circuit or abnormality, it will automatically cut off the circuit and alarm to ensure the safety of the experiment;
- 

With the penetration hole of the stirring propellers, the user does not need to adjust the installation height of the instrument, only the installation position of the stirring rod is required;
- 

The torque can be automatically adjusted according to the viscosity change of the sample, which is convenient for experimental operation;
- 

Various stirring propellers and supports are optional.



Description

- The overhead stirrer utilizes a self-locking collet and can be equipped with a square lifting and fixing clip. Large LCD display, adjustable speed and time, used for mixing solid-liquid, liquid-liquid or medium and high viscosity samples. It is mainly applied in fields such as scientific research, medicine, chemical industry, petrochemicals, cosmetics, food, biology, etc.

Specification

Model	OHS-100
Max.Mixing Volume	40L
Speed Range	30~2200 rpm
Speed Accuracy	±1 rpm
Speed Display	LCD
Speed Mode	Coarse and fine adjustment
Timing Range	1~9999 min
Max.Torque	60 N·cm
Max. Viscosity	50000mPa·s
Input Power	120W
Output Power	100W
Protection Class	IP42
Overload Protection	Display failure and stop automatically
Motor Protection	Display failure and stop automatically
Safety Protection	Chuck protective cover and anti-slip pad
Electricity	100~240V, 50/60Hz
Allowable Ambient Temperature	5~40℃
Allowable Ambient Humidity	80%
Instrument Dimensions	315*200*780 mm
Instrument Package Dimensions	475*340*200 mm
Instrument Set Package Dimensions	803*400*140 mm
N.W./G.W. of Instrument	4.7kg/6.5kg
N.W./G.W. of Instrument Set	7.5kg/12.5kg

Overhead Stirrer

OHS-150



Features

- 

LCD screen display, speed and time can be roughly adjusted, and working time can also be fine-tuned in working state;
- 

The speed is 30-2200rpm, the speed can be constant, and the high and low speeds are controllable;
- 

DC brushless motor, which can run safely for a long time;
- 

Overload and motor protection, in case of overload, short circuit or abnormality, it will automatically cut off the circuit and alarm to ensure the safety of the experiment;
- 

With the penetration hole of the stirring propellers, the user does not need to adjust the installation height of the instrument, only the installation position of the stirring rod is required;
- 

The torque can be automatically adjusted according to the viscosity change of the sample, which is convenient for experimental operation;
- 

Various stirring propellers and supports are optional.



Description

- The overhead stirrer utilizes a self-locking collet and can be equipped with a square lifting and fixing clip. Large LCD display, adjustable speed and time, used for mixing solid-liquid, liquid-liquid or medium and high viscosity samples. It is mainly applied in fields such as scientific research, medicine, chemical industry, petrochemicals, cosmetics, food, biology, etc.

Specification

Model	OHS-150
Max.Mixing Volume	60L
Speed Range	30~2200 rpm
Speed Accuracy	±1 rpm
Speed Mode	Coarse and fine adjustment
Speed and Time Display	LCD
Timing Range	1~9999 min
Max.Torque	60 N·cm
Max. Viscosity	80000mPa·s
Input Power	160W
Output Power	150W
Protection Class	IP42
Overload Protection	Display failure and stop automatically
Motor Protection	Display failure and stop automatically
Safety Protection	Chuck protection cover, anti-slip pad
Electricity	100~240V, 50/60Hz
Allowable Ambient Temperature	5~40℃
Allowable Ambient Humidity	80%
Instrument Dimensions	315*200*780 mm
Instrument Package Dimensions	475*340*200 mm
Instrument Set Package Dimensions	803*400*140 mm
N.W./G.W. of Instrument	5kg/6.5kg
N.W./G.W. of Instrument Set	8kg/12.5kg

Magnetic Stirrer

MGS-1C MGS-7S MGS-6P



Features

MGS-1C

- Maintenance free brushless DC motor.
- Speed range of 0-1500 rpm.
- Max. stirring quantity of H₂O at 20L.
- Stainless steel work plate cover with ceramic material provides good chemical resistance performance.

MGS-7S

- Speed range of 0-1500rpm.
- Max. stirring quantity of H₂O at 10L.
- Ceramic work plate provides excellent chemical resistant performance.

MGS-6P

- High resolution LCD displays actual speed.
- Brushless DC motor is maintenance free
- Aluminum cover with ceramic work plate provides good chemical resistant performance.
- Digital speed control with max. speed up to 1500rpm.
- Max. stirring quantity of H₂O at 5L.



Specifications

Model	MGS-1C	MGS-7S	MGS-6P
Work plate dimension [W×H]	φ 135mm (5 inch)	184×184mm (7 inch)	140 ×140mm
Work plate material	Stainless steel cover with ceramic	Glass ceramic	Aluminum cover with ceramic
Motor type	Brushless DC motor	Shaded pole motor	Brushless DC motor
Stirring positions	1	1	1
Max. stirring quantity [H ₂ O]	20L	10L	5L
Max. magnetic bar [length]	80mm	80mm	40mm
Speed range	0-1500rpm	0-1500rpm	200-1500rpm
Speed display	Scale	Scale	LCD
Protection class	IP21	IP21	IP21
Motor input power	18W	15W	2.4W
Motor output power	10W	1.5W	1.8W
Power	30W	30W	10W
Voltage	100-240V, 50/60Hz	100-120/200-240V, 50/60Hz	100-240V, 50/60Hz
Dimension [W×D×H]	160×280×85mm	215×360×112mm	320×180×108mm
Package Dimension[W×D×H]	270×500×280mm	/	/
N.W.	2.8kg	3.8kg	2.2kg
G.W.	3.6kg	/	/
Permissible ambient temperature and humidity	5-40℃, 80%RH	5-40℃, 80%RH	5-40℃, 80%RH

Magnetic Stirrer

MGS-1A MGS-1B



Features

MGS-1A

- Digital speed control within the range of 200-1500rpm.
- Max. stirring quantity of H₂O at 3L.
- LED display shows speed.
- Nylon+GF housing provides a good performance of chemical resistance.

MGS-1B

- A wide range of 0-1500rpm.
- Max. stirring quantity of H₂O at 3L.
- Nylon+GF housing provides a good performance of chemical resistance.



Specifications

Model	MGS-1A	MGS-1B
Work plate dimension [W×H]	φ 135mm (5 inch)	φ 135mm (5 inch)
Work plate material	Nylon+GF	Nylon+GF
Motor type	Brushless DC motor	Brushless DC motor
Stirring positions	1	1
Max. stirring quantity [H ₂ O]	3L	3L
Max. magnetic bar [length]	50mm	50mm
Speed range	200-1500rpm	0-1500rpm
Speed display	LED	Scale
Protection class	IP42	IP42
Motor input power	5W	5W
Motor output power	3W	3W
Power	15W	10W
Voltage	100-120/200-240V, 50/60Hz	100-120/200-240V, 50/60Hz
Dimension [W×D×H]	150×260×80mm	150×260×80mm
Weight	1.8kg	1.8kg
Permissible ambient temperature and humidity	10-40℃, 80%RH	10-40℃, 80%RH

Magnetic Stirrer

MGS-F MGS-EcoR



MGS-F

With excellent stirring functionality, the compact shape of MGS-F takes less bench space and makes storage easier.

- A wide range of speed from 15 to 1500rpm.
- Automatic reverse rotation for excellent mixing.
- PET top provides excellent chemical resistance.
- Ultra silence and vibration-free.



MGS-F



MGS-EcoR

MGS-EcoR

MGS-EcoR is a magnetic stirrer customized for liquid mixing, suitable for chemical analysis, biology reagent mixing, regular laboratory experiments and liquid handling.

- Maintenance free brushless DC motor.
- Rare earth magnets give powerful stirring.
- Stepless speed regulation 300-2000rpm.
- Ultra silence and vibration-free design.

PET top provides excellent chemical resistance.

Shaft can be fitted with a PH sensor or sensors for other purposes.

Specifications

Model	MGS-F	MGS-EcoR
Work plate Dimension	φ90mm	φ120mm
Work plate material	PET	PET
Motor type	Motorless	Brushless DC motor
Stirring positions	1	1
Max. stirring quantity [H ₂ O]	0.8 L	1.5 L
Max. magnetic bar [length]	40 mm	40 mm
Speed range	15-1500rpm	300-2000rpm
Speed setting	button	scale
Protection class	IP21	IP21
Motor output power	3 W	1.2 W
Power	5 W	7.2 W
Voltage	100-120/200-240V,50/60Hz	100-120/200-240V,50/60Hz
Dimension [W×D×H]	175×120×15mm	150×145×50mm
Weight	0.3 kg	0.3 kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40 °C, 80%RH

Magnetic Stirrer

MGS-EcoS



Square Plate Magnetic Stirrer with electrode holder has a reliable design and a powerful stirring ability. It is a basic and ideal tool for electrochemistry measurements or water & environment monitoring, drug or food analysis; liquid culture mixing, etc.

Features

- Compact design with small footprint, 12V voltage available for mobile labs.
- Square work plate supports 1.5L stirring capacity.
- Holder with clamp for Ph electrode or other sensor.
- Default PET top provides excellent chemical resistance.
- Extra colorful stickers satisfy DIY design by yourself.
- Maintenance free brushless DC moto.
- An economical choice of a reliable & durable magnetic stirrer with an electrode holder for stable & powerful stirring ability.



Specifications

Model	MGS-EcoS
Work plate size	120mm×115mm
Work plate material	PET
Motor type	Brushless DC Motor
Stirring position	1
Max. stirring quantity (H ₂ O)	1.5 L
Max. magnetic bar (length)	40 mm
Speed range	300rpm-2000rpm
Speed setting	Scale
Protection class	IP21
Motor output power	1.2 W
Power	7.2 W
Voltage	DC 12V
Dimension (W×D×H)	100V-240V, 50Hz/60Hz
Weight	150mm×144mm×54mm
Permissible ambient temp. & humidity	0.3 kg
	5-40 °C 80%RH

Magnetic Stirrer

MGS-M10



Features

- Maintenance-free brushless DC motor.
- Speed range of 0-1100rpm.
- Stainless steel work plate covered with silicone cushion, provides excellent performance of skid resistance.

Specifications

Model	MGS-M10
Work plate dimension [W×H]	180×450 mm
Work plate material	Aluminum
Motor type	Brushless DC motor
Stirring positions	10
Max. stirring quantity [H2O]	0.4L×10
Max. magnetic bar [length]	40mm
Speed range	0-1100rpm
Speed display	Scale
Protection class	IP20
Motor input power	12W
Motor output power	4W
Power	20W
Voltage	100-120/200-240V, 50/60Hz
Dimension [W×D×H]	622×205×65mm
Package Dimension [W×D×H]	730×430×310mm
N.W./G.W.	3.2kg/11.7kg
Permissible ambient temperature and humidity	5-40 °C, 80%RH

Magnetic Stirrer, Four Rows Multi-Position

MGS-6 MGS-7



Features

- 4 unit Stainless hotplate can work together or separately.
- Stirring speed is stepless adjusted.



Specifications

Model		MGS-6	MGS-7
Function	Max. volume(ml)	1000ml*4	3000ml*4
	Speed(r.p.m)	100~2000	
	Working time	Continuous	
	Minimum revolution	100	
Structure	Exterior	Cold plate spraying, stainless steel plate	
	Driving mode	Motor	
	Motor power	0.01kW	0.02kW
Controller	Continuous operation	Yes	
	Setting mode	Scale	
	Speed display mode	Scale	
	Timer	No	
	Operation function	No	
Specification	Exterior size (W*L*H)(mm)	300*270*80	400*320*120
	Package Dimension (W*D*H) (mm)	340*310*110	460*380*170
	Plate size (mm)	300*250	400*300
	Plate load	5KG	20KG
	Power supply (50/60Hz) Current rating	110 or 220V	
	N.W./G.W.(kg)	3/3.6	6/7.6

Hotplate Magnetic Stirrer, Temp. 380℃

HPS-380-1



Features

- Max. heating temperature is 380℃.
- High resolution LCD displays actual temperature and speed.
- Brushless DC motor is maintenance free.
- Aluminum cover with ceramic work plate, allows for immediate heat transfer.
- External temperature control is possible with temperature sensor PT1000.
- Digital temperature control with max. temperature at 380℃.
- Digital speed control with max. speed up to 1500rpm.
- Max. stirring quantity of H₂O at 5L.



Specifications

Model	HPS-380-1
Work plate dimension [W×H]	140×140 mm
Work plate material	Aluminum cover with ceramic coating
Motor type	Brushless DC motor
Stirring positions	1
Max. stirring quantity [H ₂ O]	5L
Max. magnetic bar [length]	50mm
Speed range	200-1500rpm
Speed display	LCD
Temperature display	LCD
Heating temperature range	Room temp-380℃
Over heat protection	420℃
Temperature display accuracy	±0.1℃
External temperature sensor	PT1000 (accuracy ±0.2℃)(Optional)
Protection class	IP21
Motor rating input	2.4W
Motor rating output	1.8W
Power	510W
Heating output	500W
Voltage	100-120/200-240V, 50/60Hz
Dimension [W×D×H]	320×180×108mm
Weight	2.2kg
Permissible ambient temperature and humidity	5-40℃, 80%RH

Hotplate Magnetic Stirrer

HPS-550P HPS-550



HPS-550P



HPS-550

Features

- LCD display for precise monitoring of speed and temperature.
- Digital speed controlling, max. speed at 1500rpm.
- Max. heating plate temperature 550 °C.
- External temperature control is possible by connecting the temperature sensor (PT1000) with an accuracy at ±0.2 °C.
- The “HOT” warning will flash when the work plate temperature is above 50 °C even when the hotplate is turned off.
- Built-in PID controller ensures safe heating of the medium with overheating protection.
- Glass ceramic work plate provides excellent chemical resistant performance and most efficient heat transfer.
- Outstanding brushless DC motor enables more stirring power.
- Two rotating knobs enable easy adjustment of speed and temperature.
- Remote function provides PC control and data transmission.

Specifications

Model	HPS-550P	HPS-550
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
Stirring positions	1	1
Max. stirring quantity, [H ₂ O]	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
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
Dimension [WxDxH]	215x360x112mm	215x360x112mm
Package Dimension [WxDxH]	500x370x280mm	500x360x270mm
N.W.	5.3kg	4.5kg
G.W.	7.5kg	7kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH

Hotplate Magnetic Stirrer

HPS-340PT HPS-340



Features

HPS-340PT

- 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 if the plate temperature is above 50 °C even when the hotplate is turned off
- High-resolution LCD display shows actual temperatures and speed
- 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 provides good chemical-resistant performance
- Remote function provides PC control and data transmission
- A wide variety of accessories are available



HPS-340

- Maintenance free brushless DC motor
- Max. 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



Specifications

Model	HPS-340PT	HPS-340
Work plate dimension	φ 135mm(5 inch)	φ 135mm(5 inch)
Work plate material	stainless steel cover with ceramic	stainless steel cover with ceramic
Motor type	Brushless DC motor	Brushless DC motor
Stirring positions	1	1
Max. stirring quantity [H ₂ O]	20L	20L
Max. magnetic bar[length]	80mm	80mm
Speed range	100-1500rpm resolution±1rpm	0-1500rpm -
Speed display	LCD	Scale
Temperature display	LCD	Scale
Heating temperature range	Room temp.-340°C, increment 1°C	Room temp.-340°C
Temperature control accuracy	±1°C(<100°C) ±1%(>100°C)	-
Over temperature protection	420°C	420°C
Temperature display accuracy	±0.1°C	-
External temperature sensor	PT1000 (accuracy ±0.2)	-
"Hot" warning	50°C	-
Timer function	1min~99h59min	-
Data connector	RS232	-
Protection class	IP21	IP21
Motor rating input	18W	18W
Motor rating output	10W	10W
Power	550W	530W
Heating output	500W	500W
Voltage	100-120/200-240V 50/60Hz	100-120/200-240V 50/60Hz
Dimension [WxDxH]	160×280×100mm	160×280×100mm
Package Dimension[WxDxH]	500×360×270mm	490×280×280mm
N.G./G.W.	2.8kg/5kg	2.8kg/3.7kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH

Magnetic Hotplate Stirrer, 340 °C

HPS-340A



Features

- Digital control with max. temperature at 340 °C , max. speed up to 1500rpm.
- Aluminum alloy work plate with flat plane provides fast heating performance, and strong compatibility with various heating containers and heating blocks.
- High-resolution LCD display shows actual temperatures and speed.
- PID controller ensures a precise and steady heating process.
- External temperature control is possible by connecting the temperature sensor (PT 1000) with accuracy at ±0.2 °C .
- Brushless DC motor enables more powerful speed control.
- Three heating modes for selected (fast heating, standard heating and stable heating).
- Remote control function through RS232 interface provides PC control and data transmission.



International safety certification: obtained the CE, CTÜVus, FCC and other product safety certifications issued by TUV Rheinland

Safety circuits provide overheating protection

The “HOT” warning will flash if the plate temperature is above 50 °C even when the hotplate is turned off

Brushless DC motor is maintenance free and explosion-proof

Fully enclosed aluminum alloy housing with good heat dissipation performance and reliable protection capability



Specification

Model	HPS-340A
Work plate dimension	φ 135 mm (5 inch)
Work plate material	Aluminum cover with ceramic coating
Motor type	Brushless DC motor
Heating temperature range	Room temp.-340 °C ,
increment	1 °C
Temperature display accuracy	±0.1 °C
Speed range	100-1500rpm resolution±1rpm
Time settings range	1min-99h59min
Max. stirring quantity [H ₂ O]	20L
Speed display	LCD
Temperature display	LCD
Max. magnetic bar[length]	80mm
Temperature control accuracy	±1°C(<100 °C) ±1%(>100 °C)
External temperature sensor	PT1000 (accuracy ±0.2 °C)
Over temperature protection	420 °C
"Hot" warning	50 °C
Data connector	RS232
Protection class	IP21
Voltage	100~120/200-240V 50/60Hz
Heating power	600w
Power	650w
Motor rating input	18w
Motor rating output	10w
Dimension [WxDxH]	280×160×100mm
Package Dimension [WxDxH]	500×280×290mm
N.W.	2.8kg
G.W.	4.8kg
Permissible ambient temperature and humidity	5-40 °C ; 80%RH

Combination Stirring Hotplates

HPS-280-S6 HPS-280-S6 package



HPS-280-S6



HPS-280-S6 package

Description

The design of 6-channel combination stirring hotplates aims to turn your laboratory into a space-saving, safe, highly efficient, tidy, and neat benchmark among peers. They are well recognized by higher education institutions, pharmaceutical manufacturers, biotech companies, research institutes, and food manufacturers as eco-friendly magnetic stirrers for synthesis.

Applications

The 6-channel combination stirring hotplates are designed for parallel experiments and multi-parameter optimization, and thus serve as essential tools for Kjeldahl nitrogen determination, Soxhlet extraction, and parallel synthesis.

They are ideal choices for testing laboratories in food, animal feed, textiles, soil, wastewater, pharmaceutical, petrochemical, resin, and plastics sectors. Users can perform 6 tests simultaneously with stable performance, good reproducibility, high accuracy, and easy operation.



Features

Compatible with various heating blocks or reaction vessels for a variety of application scenarios.

6 channels with independent control of start/stop, temperature, speed, and display for better parallel experiment control.

Ultra space-saving with 6 channels integrated into one instrument.



Ceramic-coated aluminum work plate with fast heat transmission and high resistance to corrosion.

“HOT” warning flashes on the LCD display if the work plate temperature is above 50°C after the user turns off the power switch.



Powerful, rapid heating with accurate PID temperature control.



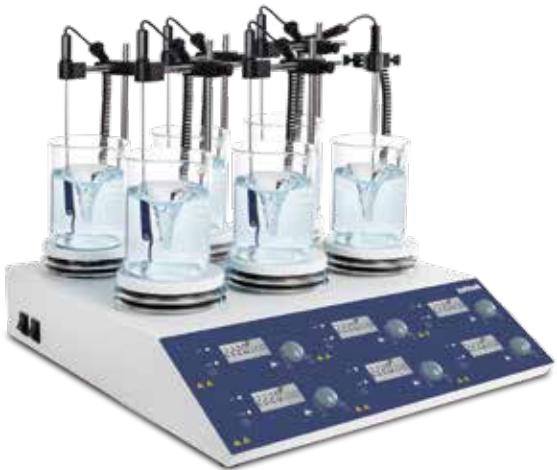
Two independent safety circuits keep monitoring the instrument. When overheating is detected or the sensor malfunctions, it will stop heating and sound an alarm; when a short circuit is detected, it will cut off the power to ensure user safety.



Spark-free DC brushless motor with extended life and maintenance-free operation.



HPS-280-S6



HPS-280-S6 package

Specifications

Model	HPS-280-S6	HPS-280-S6 package
Configuration	LCD Digital Hotplate Magnetic Stirrer with ceramic coated plate, heating temperature up to 280°C	HPS-280-S6 + PT1000A*6 + support clamp*6
Work Plate Dimension	Ø134 mm	
Work Plate Material	Aluminum with ceramic coating	
Motor Type	Brushless DC motor	
Motor Rating Output	5W×6	
Heating Power	600W×6	
Total Power	605W×6	
Electricity	100-120V, 50/60Hz; 200-240V, 50/60Hz	
Stirring Positions	6	
Max. Stirring Quantity (H ₂ O)	3L×6	
Max. Stirring Quantity (H ₂ O) per Channel	3L	
Max. Magnetic Bar Length	40 mm	
Speed Range	200-1500 rpm	
Speed Control Accuracy	±20 rpm	
Speed Display	LCD	
Temperature Display	LCD	
Heating Temperature Range	25-280°C	
Overheating Protection	420°C	
Temperature Display Resolution	0.1°C	
Temperature Control Accuracy	± 1°C (<100°C), ± 1% (>100°C)	
IP Protection Class	IP21	
Permissible Ambient Temperature and Humidity	5-40°C, 80%RH	
External Dimensions (W*D*H)	564*523*127 mm	
Weight	12.7 kg	

Hotplate Magnetic Stirrer

HPS-280



Features

- Digital temperature control with max. temperature up 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 (PT1000) 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.

Specifications

Model	HPS-280
Work plate Dimension	φ 135mm (5 inch)
Work plate material	Stainless steel cover with ceramic
Motor type	Brushless DC motor
Stirring positions	1
Max. stirring quantity	3L
Max. magnetic bar[length]	50mm
Speed range	200-1500rpm
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	IP42
Motor rating input	5W
Motor rating output	3W
Power	515W
Heating output	500W
Voltage	100-120/200-240V 50/60Hz
Dimension [WxDxH]	150×260×100mm
Weight	1.8kg
Permissible ambient temperature and humidity	5-40°C, 80%RH



Hotplate Magnetic Stirrer, 4-Channel Type



HPS-M340-S4



Features

- Independent heating and stirring control.
- LCD display shows actual temperatures and speed.
- PID controller ensures a precise and steady heating process, Max. temperature up to 340 °C.
- Brushless DC motor enables more powerful speed control.
- External temperature sensor(PT1000) with accuracy at 0.2 °C.
- Overheating protection temperature at 420 °C.
- Stainless steel work plate with ceramic coating provides good chemical resistant performance.
- A wide variety of accessories are available.

Specifications

Model	HPS-M340-S4
Work plate dimension	Ø135mm (5 inch)
Plate material	Stainless steel with ceramic coating
Motor type	Brushless DC motor
Stirring positions	4
Max. stirring quantity of single position (H ₂ O)	10L
Max. magnetic bar	40mm
Speed range	200-1500rpm
Speed display	LCD
Temperature display	LCD
Control accuracy of sensor	±20rpm
Temperature range	25-340 °C
Over temperature protection	420 °C
Temperature display accuracy	±0.1 °C
Optional: External temp. sensor	PT1000 (Accuracy±0.2 °C)
IP Protection class	IP20
Motor rating input	1.8W×4
Power	515W×4
Heating Power	500W×4
Voltage	100-120V,60Hz; 200-240V,50 Hz
Dimensions [WxDxH]	698×270×128mm
Weight	9.5kg
Permissible ambient temperature	5~40 °C
Permissible relative humidity	80%RH

Magnetic Hotplate Stirrer

HPS-M120-S10



Features

- Maintenance-free brushless DC motor.
- Max speed 1100rpm.
- Max. temperature 120°C.
- Laser-engraved aluminum surface: slip-resistant, corrosion-resistant, and wear-resistant

Specifications

Model	HPS-M120-S10
Work plate dimension [W x D]	180x450mm
Work plate material	Aluminum
Motor type	Brushless DC motor
Stirring positions	10
Max. stirring quantity	0.4Lx10
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	IP20
Motor rating input	12W
Motor rating output	4W
Power	490W
Heating output	470W
Voltage	100-120/200-240V 50/60Hz
Dimension [WxDxH]	182×622×65mm
Weight	3.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

Hotplate, IP21 Class Ceramic Coating

HPT-380P



Features

- Max. heating temperature is 380 °C
- High resolution LCD displays actual temperature
- Aluminum cover with ceramic work plate, allows for immediate heat transfer
- External temperature control is possible with temperature sensor PT1000



Specifications

Model	HPT-380P
Work plate dimension	140×140mm
Work plate material	Aluminum over with ceramic coating
Temperature display	LCD
Heating temperature range	Room temp. ±5 °C-380 °C
Over heat protection	420 °C
Temperature display accuracy	±0.1 °C
External temperature sensor	PT1000 (accuracy ±0.5 °C)
Protection class	IP21
Power	510W
Heating output	500W
Voltage	100-120/200-240V,50/60Hz
Dimension [W×D×H]	320×180×108mm
Package Dimension [W×D×H]	510×270×270mm
N.W. / G.W.	2.2kg/4kg
Permissible ambient temperature and humidity	5-40 °C 80%RH

Hotplate, 350 degree



HPT-350-5A/5C HPT-350-6A/6C HPT-350-7A/7C
HPT-350-8A/8C HPT-350-9A/9C



HPT-350-5A HPT-350-6A HPT-350-7A
HPT-350-8A HPT-350-9A

HPT-350-5C HPT-350-6C HPT-350-7C
HPT-350-8C HPT-350-9C

Features

- Aluminun hot plate,uniform surface temperature
- Heating up fast and uniform,heating power is stepless adjustable
- Digital hot plate has the more functions as follows: digital display can read the temperature more clearly

Specifications

Model		HPT-350-5A/5C	HPT-350-6A/6C	HPT-350-7A/7C	HPT-350-8A/8C	HPT-350-9A/9C
	Working time	Continuous				
	Max Temp. (℃)	350 ℃				
Structure	Outer Shell	Iron plate welding, surface spraying				
	Hot plate	Aluminum tensile				
	Driving mode	No				
	Heating power(W)	1200	1800	2000	2600	3000
Controller	Continuous operation	Yes	Yes	Yes	Yes	Yes
	Setting method	Scale/Digital	Scale/Digital	Scale/Digital	Scale/Digital	Scale/Digital
	Timer	No/Digital	No/Digital	No/Digital	No/Digital	No/Digital
	Operation function	No	No	No	No	No
	Temperature sensor	K model	K model	K model	K model	K model
	Exterior size (W*L*H)(cm)	34*37*22	42*50*22	45*47*22	42*65*22	47*65*22
	Plate size (mm)	300*300	350*450	400*400	350*600	400*600
	Plate load	20KG	30KG	30KG	38KG	40KG
	Power supply (50/60Hz)	220V	220V	220V	220V	220V
	NW/GW (kg)	6.2/7	8.4/9.6	8.5/9.8	11/13	12/14.2

HotPlate

HPT-320-5B HPT-320-8B HPT-320-9B
HPT-350-5B HPT-350-8B HPT-350-9B
HPT-400-5B HPT-400-8B HPT-400-9B

Features

- Aluminum hot plate or Graphite hot plate,uniform surface temperature
- Heating up fast and uniform.
- Plate temp. Uniformity improved more.

Specification

Model	HPT-320-5B	HPT-320-8B	HPT-320-9B	HPT-350-5B	HPT-350-8B
Work plate dimension(mm)	300×300	350×450	400×600	300×300	350×450
Work plate load(kg)	20	30	40	20	30
Work plate material	Aluminum-tensile	Aluminum-tensile	Aluminum-tensile	Aluminum-tensile	Aluminum-tensile
Time setting	No	No	No	0~9999min/h	0~9999min/h
Temperature setting	Scale	Scale	Scale	Digital display	Digital display
Max Temp.(℃)	320	320	320	350	350
Temp. accuracy	±10%	±10%	±10%	±1%	±1%
Plate Temp. uniformity	±15%	±15%	±15%	±10%	±10%
Temperature sensor	K model	K model	K model	K model	K model
Heating power(W)	800	1500	2200	1200	2400
Power supply(50/60Hz)	220V	220V	220V	220V	220V
Plug	Yes	Yes	Yes	Yes	Yes
Exterior size(W×L×H) (mm)	340×370×220	420×500×220	470×650×220	340×370×220	420×500×220
Package Dimension(W*D*H)(mm)	520×380×250	570*530*260	660×620×250	530×390×250	560×520×250
N.W/G.W.(kg)	9/10	11/16	15/17	9/10	11/12
Model	HPT-350-9B	HPT-400-5B	HPT-400-8B	HPT-400-9B	
Work plate dimension(mm)	400×600	300×300	350×450	400×600	
Work plate load(kg)	40	20	30	40	
Work plate material	Aluminum-tensile	Graphite Plate	Graphite Plate	Graphite Plate	
Time setting	0~9999min/h	0~9999min/h	0~9999min/h	0~9999min/h	
Temperature setting	Digital display	Digital display	Digital display	Digital display	
Max Temp.(℃)	350	400	400	400	
Temp. accuracy	±1%	±1%	±1%	±1%	
Plate Temp. uniformity	±10%	±10%	±10%	±10%	
Temperature sensor	K model	K model	K model	K model	
Heating power(W)	3500	1800	3000	4500	
Power supply(50/60Hz)	220V	220V	220V	220V	
Plug	No	Yes	Yes	No	
Exterior size(W×L×H) (mm)	470×650×220	340×370×220	420×500×220	470×650×220	
Package Dimension(W*D*H)(mm)	700×660×260	560×410×290	610×560×280	700×660×280	
N.W/G.W.(kg)	15/25	12/13.5	19/20	28/30	



Hotplate Magnetic Stirrer, 380 Degree

HPT-380-2A HPT-380-3A MGS-2 MGS-3
HPS-380-2 HPS-380-3

Features

- Heating power and stirring speed is stepless adjustable.

Specifications



Model		Hotplate	Magnetic Stirrer	Combination Stirring Hotplate	Hotplate	Magnetic Stirrer	Combination Stirring Hotplate
		HPT-380-2A	MGS-2	HPS-380-2	HPT-380-3A	MGS-3	HPS-380-3
Function	Max.Volume (ml)	-	2000	2000	-	5000	5000
	Speed(r.p.m)	-	100~2000	100~2000	-	100~2000	100~2000
	Working time	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous
	Minimum revolution(r.p.m)	-	100	100	-	100	100
	Max.Temp. (℃)	380	-	380	380	-	380
Structure	Exterior	Cast aluminium, Surface spraying					
	Platesize(mm)	120×120	120×120	120×120	170×170	170×170	170×170
	Driving mode	-	Motor	Motor	-	Motor	Motor
	Motor power (W)	-	10	10	-	20	20
	Heating Power(kW)	0.18	-	0.18	0.5	-	0.5
Controller	Stir bar	-	PTFE	PTFE	-	PTFE	PTFE
	Continuous operation	Yes	Yes	Yes	Yes	Yes	Yes
	Setting mode	Scale	Scale	Scale	Scale	Scale	Scale
	Speed display mode	-	Scale	Scale	-	Scale	Scale
	Timer	No	No	No	No	No	No
Specification	Operation function	No	No	No	No	No	No
	Temp. Sensor	No	No	No	No	No	No
	Exterior size (W*L*H)(mm)	200×120×90	200×120×90	200×120×90	265×185x190	265×185x190	265×185x190
	Package Dimension(W*D*H)(mm)	250×180×120	250×180×120	270×180×190	310×240×220	280×210×220	320*250*230
	Plate size (mm)	120×120	120×120	120×120	170×170	170×170	170×170
	Plate load	3KG	3KG	3KG	10KG	10KG	10KG
	Power supply (50/60Hz)	110V or 220V	110V or 220V	110V or 220V	110V or 220V	110V or 220V	110V or 220V
	Current rating	1.9/3	1.9/3	1.9/2.3	2.2/3	2.2/3.4	2.2/4
	N.W./G.W.(kg)	1.9/3	1.9/3	1.9/2.3	2.2/3	2.2/3.4	2.2/4

Hotplate Magnetic Stirrer 380 degree, Ceramic Type



HPT-380-4A MGS-4 HPS-380-4 HPS-350-4 HPS-350-4S

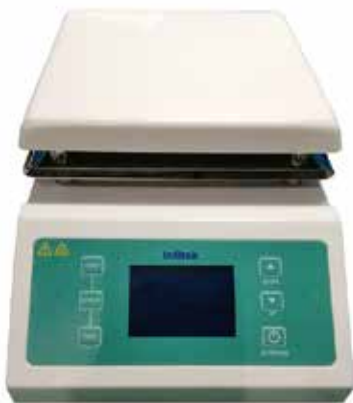
Product Description

Stretched shell and cover prevent leaking.

Heating and stirring can proceed simultaneously.



HPT-380-4A



HPS-350-4S

Features

HPS-350-4

- Setting temperature precisely. And stirring speed stepless adjustable.
- Large LCD display, temperature and rotate speed can be displayed simultaneously.
- Double sensors: outer PT100 temperature sensor to control liquid temperature precisely ,inner K model sensor to control hot plate temperature.
- K mode sensor to control hot plate temperature.



MGS-4 HPS-380-4



HPS-350-4

HPS-350-4S

- Setting temperature and stirrer speed precisely, and stirring speed stepless adjustable.
- With speed switch to start or stop stirring at any time.
- Timing function (0-9999min), time adjustable under artificial requirement. Audible and visual alarm equipped.
- Double sensors: outer PT100 temperature sensor to control liquid temperature precisely, inner K model sensor to control hot plate temperature.
- One key to shift inside and outside sensor easily and precisely.
- Large screen LCD display can indicate temperature, rotational speed and timing at the same time.

Specifications

Model		Conventional Hotplates	Magnetic Stirrers	Combination Stirring Hotplates		
		HPT-380-4A	MGS-4	HPS-380-4	HPS-350-4	HPS-350-4S
Function	Model	Heating	Stirring	Heating + Stirring	Digital+ Heating + Stirring	
	Max. Volume(ml)	5000	5000	5000	5000	5000
	Speed(r.p.m)	-	200~2000	200~2000	200~2000	200~2000
	Working time	Continuous	Continuous	Continuous	Continuous	Continuous
	Minimum revolution (R.P.M.)	-	200	200	200	200
	Max. temp (℃)	380	-	380	350	350
Structure	Exterior	Iron plate welding, surface spraying				
	Heating plate	Ceramic Coated				
	Driving mode	-	Motor	Motor	Motor	Motor
	Motor power (W)	-	20	20	20	20
	Heating power(kW)	0.6	-	0.6	0.6	0.6
	Stir bar	no	PTFE	PTFE	PTFE	PTFE
Controller	Continuous operation	yes	yes	yes	yes	yes
	Setting mode	Scale	Scale	Scale	Digital	Digital
	Speed display mode	Scale	Scale	Scale	Digital	Digital
	Timer	no	no	no	no	yes
	Operation function	no	no	no	no	yes
	Sensor	no	no	no	PT100	PT100
Specification	Exterior size (W×L×H)(mm)	320×190×125	320×190×125	320×190×125	320×190×125	320×190×125
	Package Dimension(W×L×H)(mm)	390×240×230	390×240×230	400×250×230	390×240×230	390×260×240
	Plate size (mm)	190×190	190×190	190×190	190×190	190×190
	Plate load	10KG	10KG	10KG	10KG	10KG
	Power supply (50/60Hz)	110V or 220V	110V or 220V	110V or 220V	110V or 220V	110V or 220V
	Current rating					
	N.W./G.W.(kg)	5/6	5/6	5/6	5/6	5/6

LED Hot Plate, Temp. 550 °C

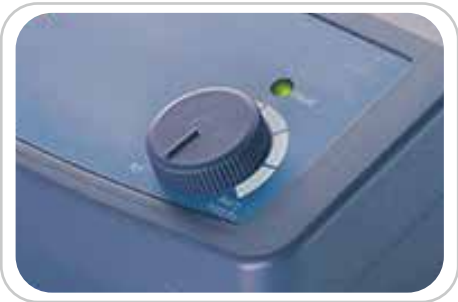
HPT-550



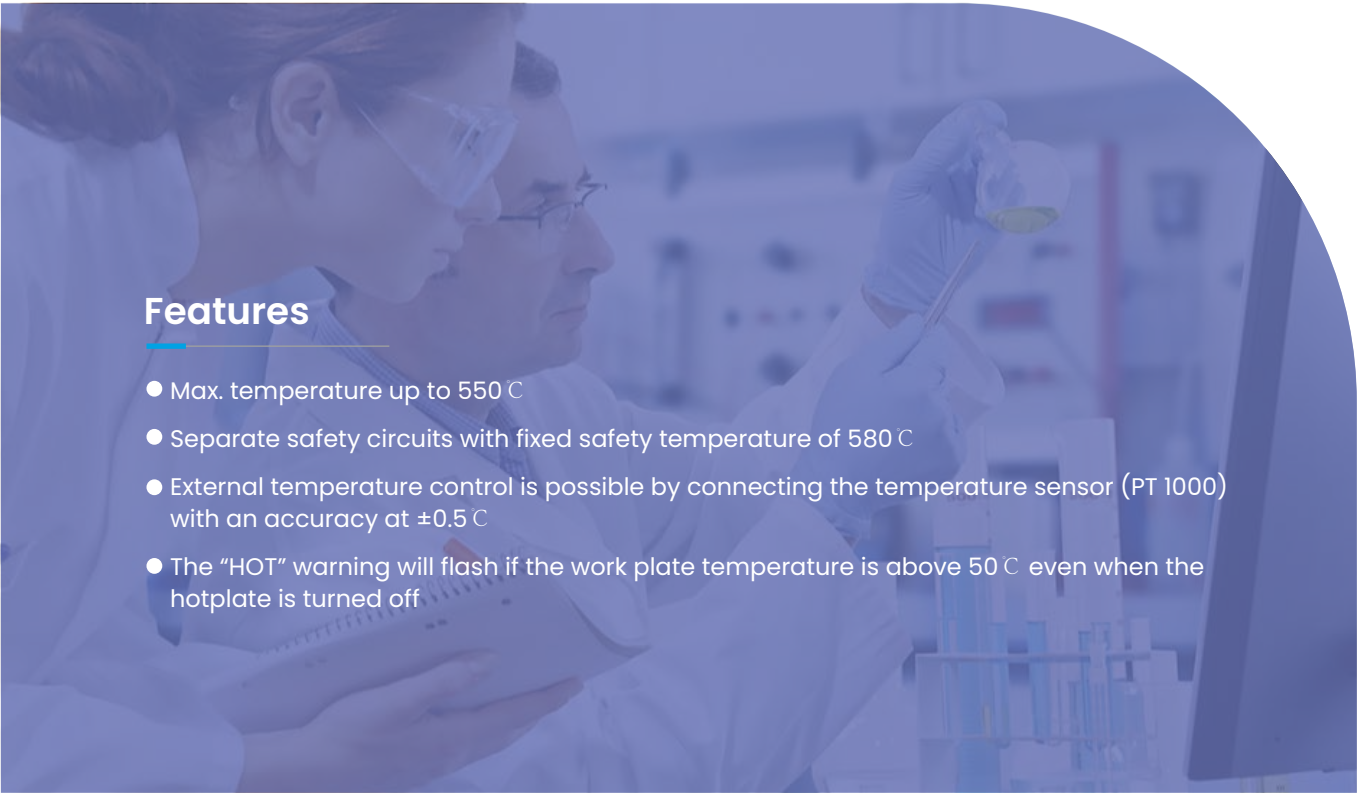
Description



● LED screen shows temperature



● Glass ceramic work plate provides excellent chemical-resistant performance and most efficient heat transfer



Features

- Max. temperature up 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
- The “HOT” warning will flash if the work plate temperature is above 50 °C even when the hotplate is turned off

Specifications

Model	HPT-550
Work plate dimension [WxD]	184x184mm (7 inch)
Work plate material	Glass ceramic
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	IP21
Power	1010W
Voltage Frequency	100-120/200-240V,50/60Hz
Heating Power	1000W
Dimension [WxDxH]	215x360x112mm
Package Dimension (W*D*H) (mm)	450x300x220mm
N.W.(kg)	4.5kg
G.W.(kg)	5kg
Permissible ambient temperature and humidity	5-40°C, 80%RH

Magnetic Stirring Heating Mantle

HMSA-1HMSA-40HMSA-2HMSA-60HMSA-5HMSA-100HMSA-10HMSA-200HMSA-20HMSA-400



Features

- Heating and stirring can be used simultaneously , step-less speed adjustable.



Specifications

Model	HMSA-1	HMSA-2	HMSA-5	HMSA-10	HMSA-20	HMSA-40	HMSA-60	HMSA-100	HMSA-200	HMSA-400
Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
Heating Mode	Surface heat-conduction									
Surface Max. Temp.(℃)	450℃									
Speed range	0~1600rpm									
Heating element	Nichrome wire									
Stir bar	PTFE									
Shell(Insulation Layer)	High quality aluminum silicate cotton									
Motor power	0.01kW									
Heat power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Working Mode	Continuous									
Exterior Size (mm)	φ220x165				φ280x220	φ330x230	φ340x245	φ350x250	φ425x320	φ470x340
Package Dimen- sion(W*D*H)(mm)	230x230x195				290x290x 300	340x340x 350	360x360x 300	390x390x 310	430×430 ×350	510x510x3 80
Voltage(V)	100 ~ 120V or 200 ~ 240V						200 ~240V			
N.W.(Kg)	2.5				5.5	6.5	7.5	8	9.8	16
G.W. (Kg)	2.8				6	7	8	9.2	12	20

Digital Magnetic Stirring Heating Mantle



HMSD-1HMSD-40HMSD-2HMSD-60HMSD-5HMSD-100HMSD-10HMSD-200HMSD-20HMSD-400

Features

- PID Single Screen Temperature controller.
- Heating and Stirring can be used simultaneously, step-less speed adjustable.
- PT100 Temperature sensor, with Adjustable Sensor Rack and Stainless Rods.



Specifications

Model	HMSD-1	HMSD-2	HMSD-5	HMSD-10	HMSD-20	HMSD-40	HMSD-60	HMSD-100	HMSD-200	HMSD-400
Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
Heating Mode	Surface heat-conduction									
Surface Max. Temp.(℃)	450℃									
Temperature control range	RT+20~250℃									
Speed range	0~1600rpm									
Heating element	Nichrome wire									
Stir bar	PTFE									
Shell(Insulation Layer)	High quality aluminum silicate cotton									
Motor power	0.01kW									
Heat power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Working Mode	Continuous									
Exterior Size (mm)	φ220x165				φ280x220	φ330x230	φ340x245	φ350x250	φ425x320	φ470x340
Package Dimension (W*D*H)(mm)	250*240*230		240x230x230	260*260*220	300*310*270	340x340x350	360x360x300	390x390x310	430×430×350	700×575×460
Voltage(V)	100 ~ 120V or 200 ~ 240V					200 ~240V				
N.W.(Kg)	2.5				5.5	6.5	7.5	8	9.8	16
G.W. (Kg)	3		3.2	3	4.5	7	8	9.5	12	20

Several Rows Magnetic Stiring Heating Mantles

- HMSD-2P5
- HMSD-4P5
- HMSD-6P5
- HMSD-2P10
- HMSD-4P10
- HMSD-6P10
- HMSD-2P20
- HMSD-4P20
- HMSD-6P20



Features

- Electronic temperature regulation heating mode .Heating and stirring can proceed simultaneously; stepless speed adjustment.
- Within 100ml

Specifications

Model		HMSD-2P5	HMSD-2P10	HMSD-2P20	HMSD-4P5	HMSD-4P10	HMSD-4P20	HMSD-6P5	HMSD-6P10	HMSD-6P20
Function	Capacity(ml)	2×250	2×500	2×1000	4×250	4×500	4×1000	6×250	6×500	6×1000
	Heating mode	Surface heat conduction				Surface heat conduction				
	Surface Max. temperature	450 ℃				450 ℃				
	Temp.range	Rt+vfc20 ~ 250 ℃				Rt+vfc20 ~ 250 ℃				
	Speed range	0 ~ 1600rpm				0 ~ 1600rpm				
Structure	Heating element	Nickel chromium alloy wire				Nickel chromium alloy wire				
	Stir bar	PTFE				PTFE				
	Outer shell	Cold rolled steel plate, surface spraying				Cold rolled steel plate, surface spraying				
	Motor power	0.01kW				0.01kW				
	Heating Power (kW)	2×0.15	2×0.25	2×0.35	4×0.15	4×0.25	4×0.35	6×0.15	6×0.25	6×0.35
Controller	Work model	Continuous				Continuous				
Specifi- cation	Exterior Size(mm)	320*160*170	360*180*180	420*210*200	610*160*170	690*180*180	810*210*200	940*160*170	1060*180*180	1240*210*200
	Package Dimension(W*D*H)(mm)	360*190*200	400*270*230	570*180*190	700*250*200	750*280*240	880*310*260	980*190*200	1100*220*210	1280*250*230
	Voltage	100 ~ 120V or 200 ~ 240V				200 ~ 240V				
	N.W.(Kg)	4	4	7	8	8	14	12	12	21
	G.W.(Kg)	5	6.2	8	10	11.2	17	15	15	24



HMSD-2P5
HMSD-2P10
HMSD-2P20



HMSD-4P5
HMSD-4P10
HMSD-4P20



HMSD-6P5
HMSD-6P10
HMSD-6P20



Several Rows Heating Mantles

HMD-2P5 HMD-2P10 HMD-2P20
HMD-4P5 HMD-4P10 HMD-4P20
HMD-6P2 HMD-6P5 HMD-6P10 HMD-6P20



Specifications

	Model	HMD-2P5	HMD-2P10	HMD-2P20	HMD-4P5	HMD-4P10	HMD-4P20	HMD-6P2	HMD-6P5	HMD-6P10	HMD-6P20
Function	Capacity(ml)	2×250	2×500	2×1000	4×250	4×500	4×1000	6×100	6×250	6×500	6×1000
	Heating mode	Surface heat conduction					Surface heat conduction				
	Surface Max. temperature	450℃					450℃				
	Temp.range	Rt+vfc20～250℃					Rt+vfc20～250℃				
Structure	Heating element	Nickel chromium alloy wire					Nickel chromium alloy wire				
	Outer shell	Cold rolled steel plate, surface spraying					Cold rolled steel plate, surface spraying				
	Heating Power (kW)	2×0.15	2×0.25	2×0.35	4×0.15	4×0.25	4×0.35	6×0.1	6×0.15	6×0.25	6×0.35
Controller	Work model	Continuous					Continuous				
Specifi- cation	Exterior Dimension (mm)	320*160*170	360*180*180	420*210*200	610*160*170	690*180*180	810*210*200	820*140*160	940*160*170	1060*180*180	1240*210*200
	Package Dimension(mm)	360*190*200	400*220*210	570*180*190	650*190*200	730*220*210	850*250*230	860*180*190	980*190*200	1090*280*240	1280*250*230
	Voltage	100～120V or 200～240V					200～240V				
	N.W.(Kg)	4	4	7	8	8	14	12	12	12	21
	G.W.(Kg)	5	5	8	10	10	16	15	15	14	24



HMD-2P5
HMD-2P10
HMD-2P20



HMD-4P5
HMD-4P10
HMD-4P20



HMD-6P2
HMD-6P5
HMD-6P10
HMD-6P20

Electronic Control Heating Mantle

HMA-1 HMA-2 HMA-5 HMA-10 HMA-20 HMA-40
HMA-60 HMA-100 HMA-200 HMA-400



Features

- Eletronic temperature regulation mode with characteristics of step-less speed adjustable (RT+5℃~450℃)



Specifications

Model	HMA-1	HMA-2	HMA-5	HMA-10	HMA-20	HMA-40	HMA-60	HMA-100	HMA-200	HMA-400
Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
Heating Mode	Surface heat-conduction									
Surface Max. Temp.(℃)	450									
Heating element	Nichrome wire									
Thermal insulation cotton	High quality aluminum silicate cotton									
Shell	Cold rolled steel plate, surface spraying									
Heat power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Working Mode	Continuous									
Exterior Size (mm)	φ220x165				φ280x220	φ330x230	φ340x245	φ350x250	φ425x320	φ470x340
Package Dimension (W*D*H)(mm)	240x230x220	250x250x240			290x290x300	340x340x350	360x360x310	390x390x310	430×430×350	510x510x380
Voltage(V)	100 ~ 120V or 200 ~ 240V						200 ~240V			
N.W.(Kg)	2.5				5.5	6.5	7.5	8	9.8	16
G.W. (Kg)	2.8				6	7	8	9.2	12	20

Digital Display Heating Mantle

HMD-1 HMD-2 HMD-5 HMD-10 HMD-20 HMD-40
HMD-60 HMD-100 HMD-200 HMD-400



Features

- PID Single Screen Temperature controller. Fast heating, temperature uniformity and high precise temperature control.
- Several Rows type, produce as Customer inquiry, beautiful shape, easy to operate and effective.
- PT100 Temperature sensor, with Adjustable Sensor Rack and Stainless Rods.



Specifications

Model	HMD-1	HMD-2	HMD-5	HMD-10	HMD-20	HMD-40	HMD-60	HMD-100	HMD-200	HMD-400
Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
Heating Mode	Surface heat-conduction									
Surface Max. Temp.(℃)	450℃									
Temperature control range	RT+20 ~ 250℃									
Heating element	Nichrome wire									
Shell(Insulation Layer)	High quality aluminum silicate cotton									
Heat power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Working Mode	Continuous									
Exterior Size (mm)	φ220x165				φ280x220	φ330x230	φ340x245	φ350x250	φ425x320	φ470x340
Package Dimension (W*D*H)(mm)	230x230x195				300x300x300	340x340x350	360x360x300	390x390x330	430×430×350	510x510x80
Voltage(V)	100 ~ 120V or 200 ~ 240V						200 ~240V			
N.W.(Kg)	2.5				5.5	6.5	7.5	8	9.8	16
G.W. (Kg)	2.8				6	7	8	9.2	12	20