

GHS-550 Series

# Hotplates, Magnetic Stirrers & Magnetic Stirrer HotPlates



*GHS-550HSP  
Hotplate Stirrer*

*GHS-550HSP  
Hotplate Stirrer shown with  
optional temperature sensor  
and support stand.*



*RS232 port (GHS-550HSP only) offers  
functionality for remote communication,  
PC control and data transmission.*

The GHS-550 group of Hotplates, Magnetic Stirrers and Magnetic Stirrer Hotplates offer safety and precision for laboratory heating and mixing applications. The compact and low-profile design saves valuable benchtop space and a 7-inch chemical resistant glass ceramic working surface ensures years of service and easy cleanup.

Setting the heat and stirring speed is extremely intuitive with an LED display and control knobs. A microprocessor-controlled circuit provides accurate, stable control of heating and stirring.

The GHS-550HSP model replaces the LED with an LCD display for precise monitoring of speed and temperature. This hot plate magnetic stirrer also includes built-in PID temperature control heating with overheating protection. An RS232 port offers functionality for remote communication, PC control and data transmission (software not included).

The Magnetic Stirrer and Hotplate Magnetic Stirrer provide a strong magnetic coupling for powerful mixing that is enabled by the maintenance free brushless DC motor. The stirrers can mix up to 10 liters of water (GHS-550HS, GHS-550S) or 20 liters of water (GHS-550HSP), which allows for excellent homogeneity of your solution.

The Hotplate and Hotplate Magnetic Stirrer models feature a powerful 1000-watt heater that provides temperatures up to 550°C. To gain even more accurate temperature control within 0.2°C, an optional PT1000 sensor and retort stand are available to measure directly in the vessel. A “hot” warning will flash if the work plate temperature is above 50°C. Overtemperature protection is included should temperatures reach 580°C.

#### **Features:**

- Simple, intuitive operation
- Maintenance-free brushless DC motor
- Small footprint saves valuable bench space
- Powerful 1000W heater
- Easy-to-clean glass ceramic surface
- Easy-to-read LCD or LED display for simple, clear control
- Powerful magnetic coupling for stirring up to 20L of water
- Optional external temperature sensor control

## Hotplates, Magnetic Stirrers & Magnetic Stirrer Hotplates



GHS-550HS  
Hotplate Stirrer



GHS-550H  
Hotplate shown  
with optional  
temperature sensor  
and support  
stand.

All GHS-550 Series units feature a 7" square, chemical resistant glass ceramic work surface.



GHS-550S Stirrer

### SPECIFICATIONS

Unit Type	Hotplate Stirrer	Hotplate Stirrer	Hotplate	Stirrer
Model	GHS-550HSP	GHS-550HS	GHS-550H	GHS-550S
Display Type	LCD	LED	LED	N/A
Work Surface Area	184mm W x 184mm D (7in W x 7in D)			
Work Surface Material	Glass Ceramic			
Heating Power	1000W	1000W	1000W	N/A
Temperature Range	Ambient +5°C to 550°C	Ambient +5°C to 550°C	Ambient +5°C to 550°C	N/A
Temperature Accuracy	±1 °C (<100°C) ±1%(>100°C)	±10°C	±10°C	N/A
Maximum Stir Volume	20L	10L	N/A	10L
Stirring Speed Range	100-1500rpm	0-1500rpm	N/A	0-1500rpm
Stir Bar Length	80mm (3.15in)	80mm (3.15in)	N/A	80mm (3.15in)
RS232 port	Yes	No	No	No
Voltage	100-120v 60Hz or 200-240v 50Hz			
Power	1050W	1030W	1010W	30W
Dimension (WxDxH)	215x360x108mm / 8.5 x 14.2 x 4.3in			
Weight	5.3kg / 11.7lbs	4.5kg / 9.9lbs	4.5kg / 9.9lbs	3.8kg / 8.4lbs
Operating Temperature	5-40°C			
Permissible Relative Humidity	80%RH (non-condensing)			
Warranty	2 Years			

### ORDERING INFORMATION

Item #	Description	Unit
GHS-550HSP	Hotplate Stirrer, digital, 550°C maximum temperature, 7" x 7" glass ceramic top plate, RS232 port, 100-120v 50-60Hz	Each
GHS-550HSP-UK-EU	Hotplate Stirrer, digital, 550°C maximum temperature, 7" x 7" glass ceramic top plate, RS232 port, 200-240v 50-60Hz	Each
GHS-550HS	Hotplate Stirrer, digital, 550°C maximum temperature, 7" x 7" glass ceramic top plate, 100-120v 50-60Hz	Each
GHS-550HS-UK-EU	Hotplate Stirrer, digital, 550°C maximum temperature, 7" x 7" glass ceramic top plate, 200-240v 50-60Hz	Each
GHS-550H	Hotplate, digital, 550°C maximum temperature, 7" x 7" glass ceramic top plate, 100-120v 50-60Hz	Each
GHS-550H-UK-EU	Hotplate, digital, 550°C maximum temperature, 7" x 7" glass ceramic top plate, 200-240v 50-60Hz	Each
GHS-550S	Stirrer, analog, 7" x 7" glass ceramic top plate, 100-120v 50-60Hz	Each
GHS-550S-UK-EU	Stirrer, analog, 7" x 7" glass ceramic top plate, 200-240v 50-60Hz	Each
GHS-STD	Sensor support stand and clamp, for use with GHS-550 models	Each
GHS-S230	Temperature sensor, 230mm length, for use with GHS models with heat	Each
GHS-S230G	Temperature sensor, 230mm length, glass coated, for use with GHS models with heat	Each

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### Customer Service, Sales and Technical Support:

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