

Hot Plate Magnetic Stirrer

BMS-7 Series

Product overview

BMS7-H550-S – a magnetic hot plate stirrer, designed by BioGenix, is a specially crafted device for demanding tasks, that is fully optimized to work at high temperatures, all the way to 550°C. Feature-rich, with a special glass-ceramic work plate, it utilizes a brushless DC motor, that needs virtually no maintenance and works with an external PT1000 temperature sensor, for accurate readings. This versatile stirrer has applications in an array of laboratories needing equipment for chemical synthesis, physical and chemical analysis, and bio-pharmaceuticals.



Features:

- The easy to read LED display offers accurate temperature monitoring
- Flexible speed range covering an array of speeds up to 1500rpm
- The durable work plate can be heated as high as 550°C
- Convenient external temperature control, done via connecting the PT1000 sensor, giving you accurate temp readings at $\pm 0.2^{\circ}\text{C}$
- Safety features, including a “HOT” notification, that flashes even if the device is turned off, should the MS7-H550-S temperature be above 50°C

Applications

This magnetic stirrer allows you to economically mix a solution over a long period of time in the laboratory. The soft start/stop function provides slow acceleration and deceleration of the agitator, preventing excessive turbulence in the culture media and eliminating cell damage.

Technical Specifications

Model	BMS7-H550-Pro	BMS7-H550-S
Work Plate Size	184*184mm (7 inch)	
Work Plate Material	Glass ceramic	
Max. Stirring Capacity	20L	10L
Motor Type	Brushless DC motor	Shaded pole motor
Motor Input	18W	15W
Motor Output	10W	1.5W
Speed Range	100~1500rpm	0-1500 rpm
Speed Display	LCD	Scale
Speed Display Accuracy	±1rpm	±1rpm
Heating Output	1000W	
Heating Temp. Range	RT-550°C, increment 1 °C	RT-550°C, increment 5°C
Control Temp. Accuracy	±1°C(<100°C) ±1%(>100°C)	±10°C
Overheating Protection	580°C	
Temp. Display	LCD	LED
Display Temp. Accuracy	±0.1 °C	±1°C
Timing Range	/	
Optional Accessory	PT1000 (accuracy ±0.2°C)	
Residual Heat Warning	50°C	
Max. Stirrer Bar Length	80mm	
Interface	RS232	/
Protection Type	IP21	
Working Environment	5-40°C, 80%RH	
Power Consumption	1050W	1030W
Power Supply	AC110/220V±10%, 50/60HZ (Customizable)	
External Size(W*D*H)	215*360*112mm	
Package Size(W*D*H)	500*360*270mm	
Gross Weight	7kg	

Dealer Detail

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