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 ±0.2°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.

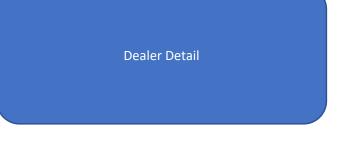
Technical Specifications



| 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 | 1 |
| 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 | |

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