



## Hot Plate/Stirrer, 7 x 7" (178 mm x 178 mm) (Guardian 7000) (120V)

**Description:** The Guardian 7000 is designed with outstanding safety features and superior heating and mixing performance. The SmartHousing is chemical resistant with an innovative, easy-to-clean design that channels spills away from internal components and the angled glass control panel. Precise stirring from 60 to 1600 rpm is made possible by the design of a powerful motor, strong magnet and software controlled ramp rate, ensuring secure magnetic coupling for viscous applications.

### Features:

- SmartPresence™ and SmartLink™ technologies automatically shut off the heater if no one is detected after a user set "time out" period has passed.
- Two independent safety controls to continuously monitor the electronics and shut off heating before an overtemperature condition occurs.
- Precise stirring from 60 to 1600 rpm is made possible by the design of a powerful motor, strong magnet and software controlled ramp rate.
- Ability to select fast or slow temperature and speed ramp rates for precise sample control.
- The bright LCD display includes intuitive icons, temperature, speed and time settings.
- Customized performance for precise applications: the programming feature allows storage of 5 multi-step programs.
- Fast heating and reliable stirring up to 15L.

### Technical Specifications:

Top Plate Dimensions	7x7 inch (17.8 x 17.8 cm)
Top Plate Material	Ceramic
LCD – Display Dimensions	4.3 x 1.3 in (10.9 x 3.3 cm)

USA | Canada | Australia | International  
medisca.com

Front Panel Material	Glass
Temperature Range	Ambient +5° - 500°C
Temperature Stability - plate	+/- 1% >100C +/- 1°C < 100C
Temperature Stability - probe	+/- 0.5% >100C +/- 1°C < 100C
Temperature Accuracy - probe	+/- 0.5°C (@100°C after SPC)
Temperature Readability	0.1C
Temperature Calibration	5 points
Stir Capacity	15 L
Speed Range	60 - 1600 rpm
Speed Stability	+/- 2%

USA | CANADA | AUSTRALIA PACIFIC | EUROPE  
[WWW.MEDISCA.COM](http://WWW.MEDISCA.COM)

Please note that the information contained herein is for informational purposes only. The information is based on recognized compendia, manufacturers' instructions and/or other authoritative sources and texts. MEDISCA takes no responsibility for the validity or accuracy of this information. Customer MUST refer to USP, FDA, Health Canada, TGA and/or their State Board to ensure they comply with the specific regulations and ensure that appropriate procedures are in place.