

USER MANUAL



HEATING MANTLE, DIGITAL HM/2002/

Please read the operating instructions and safety precautions carefully and thoroughly before installing and operating your unit.

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1. Introduction:

This device is designed for heating liquids in schools, laboratories or factories. This device is not suitable for use in residential areas.

2. Operating

1. Place the device on a level work surface, then put a container with liquid inside into the heating mantle.
2. Attach the Sensor array with stainless rods to the holder located at the back of the device.
3. Insert the temperature sensor into the liquid.
4. Press the S key to enter temperature setting mode. Adjust the temperature by using the up and down keys. Press the S key again to confirm and complete temperature setting. The device will then switch to working mode

3. Faults

The Instrument cannot be powered on

1. Check if the power cable is plugged in.
2. If these faults continue to persist, please set the instrument to default factory settings, or take the unit to your technical service provider, or contact the manufacturer directly.

Temperature fails to reach the set point or stirring does not begin when adjusting the control knob.

3. Inspect if the heating wire has been damaged.
4. Check if the controller has been damaged.

4. Maintenance and Cleaning

1. Proper Maintenance can keep the instruments in good working condition, and lengthen its lifetime
2. Be careful not to spray cleaner into the instrument while cleaning
3. Unplug the power supply before cleaning

5. Storage and Transportation

1. Keep the instrument in a dry and clean room with good ventilation and no corrosive gas.
2. Prevent the device from getting wet, and avoid collision during transport

6. Working Conditions

Ambient temperature: 5~40°C;

Ambient humidity: ≤90%;

Voltage: 220V±10%, 50/60Hz or 110V+/-10%, 50/60Hz



Function	Capacity	250	500	1000
	Heating Mode	Surface Heat-Conduction		
	Surface Max Temp (°C)	450 °C		
	Temperature Control Range	RT+20-250 °C		
Structure	Heating Element	Nichrome Wire		
	Shell	Cold Rolling Sheet Stretching and Spraying Exterior		
	Heating Power (kW)	0.15	0.25	0.35
Controller	Working Mode	Continuous		
Specification	Exterior Size (mm)	220x165		280x220
	Packing Size (mm)	230x230x195		290x290x300
	Voltage (V)	100-120V or 200-240V		
	Nett Weight (kg)	2.5		5.5
	Gross Weight (kg)	2.8		6

