

# USER MANUAL



## HEATING MANTLE, ANALOGUE HM/1000/

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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. Switch on the power which matches the requirements of the machine, then the power indicator light will be illuminated. Turn the power knob clockwise, then the working indicator light will be illuminated. The intensity of the light will change according to how much the knob is turned. The temperature will rise as well.

**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.

**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

## Electronic Control Heating Mantle

☉ Up to 450 °C general heating.

- Electronic temperature regulation mode with characteristics of stepless speed adjustable.



Model											
Function	Capacity(ml)	50	100	250	500	1000	2000	3000	5000	10000	20000
	Heating Mode	Surface heat-conduction									
	Surface Max. Temp.( °C)	450℃									
Structure	Heating element	Nichrome wire									
	Shell	Cold rolling sheet stretching and spraying exterior									
	Heat power (kW)	0.08	0.1	0.15	0.25	0.35	0.45	0.6	0.8	1.2	2.5
Controller	Working Mode	Continuous									
Specification	Exterior Size (mm)	ϕ 220 × 165				ϕ 280 × 220	ϕ 330 × 230	ϕ 340 × 245	ϕ 350 × 250	ϕ 425 × 320	ϕ 470 × 340
	Packing Size (mm)	230 × 230 × 195				290 × 290 × 300	340 × 340 × 350	360 × 360 × 300	390 × 390 × 310	380 × 380 × 330	510 × 510 × 380
	Voltage(V)	100 ~ 120V or 200 ~ 240V						200 ~ 240V			
	N.W.(Kg)	2.5				5.5	6.5	7.5	8	9.8	16
	G.W. (Kg)	2.8				6	7	8	9.2	12	20