

HI839800

# COD Test Tube Heater

with 25 Vial Capacity

The HI839800 thermo-reactor is made of sturdy materials and has a vial capacity of up to 25 simultaneous digestions.

- **3 Predefined Temperature Programs**
  - 105 °C for total nitrogen digestion
  - 150 °C for COD and total phosphorous reactions
  - 170 °C for rapid method digestion
- **Built-in Countdown Timer**
  - A timer of up to 180 minutes is included for applications that require timed digestions. When this feature is enabled, a beep is heard and the heating element turns off at the end of the set time period.
- **Status Indicator Lights**
  - POWER (power on)
  - HOT (hot surface warning)
  - HEATING (heating in progress)
- **Overheating Prevention**
  - A thermal fuse in the reactor prevents overheating by turning off the heating element.
- **Reference Temperature Well**
  - A small temperature well can accommodate a temperature probe, useful for verifying the heating block.
- **Two Operating Modes**
  - Idle mode is the default mode in which the instrument displays the heater block current temperature, the target temperature, set reaction time and "Idle" message.
  - Heating mode is activated by the START key. The reactor starts heating to the set temperature. When the temperature is reached and stable, a beep alerts the user that the vials can be inserted into the heater block.
- **Continuous LCD Display**
  - The temperature is continuously displayed on the LCD even when there is no active temperature program running.
- **Error Messages**
  - Displayed messages alert users to problems including high or low temperature, hot surface, or heating system malfunction.



Outer casing stays cool to the touch!



**HI740217**  
Lab Safety Shield

**HI740216**  
Test Tube Cooling Rack

HI740217 safety shield and HI740216 test tube cooling rack should be used when operating the device.

Specifications	HI839800
Temperature Setting	0 °C to 170 °C
Temperature Stability	±0.5 °C
Temperature Range	-10 °C to 170 °C
Preset Programs	P1 (105 °C), P2 (150 °C), P3 (170 °C)
Custom Programs	user-defined settings (C1, C2, C3)
Accuracy	±2 °C (@ 25 °C / 77 °F)
Capacity	25 vials (Ø 16 mm x 100 mm), 1 receptacle for a stainless steel reference thermometer
Warm-up Time	10 to 15 minutes, depending on selected temperature
Operating Mode	Idle or heating
Digestion Mode	Timed (0 to 180 minutes) or continuous On
Environment	5 to 50 °C (41 to 122 °F)
Power Supply (fuse protected)	115 Vac, 60 Hz, 250 W - for HI839800-01 230 Vac, 50 Hz, 250 W - for HI839800-02
Dimensions	190 x 300 x 95 mm (7.5 x 11.8 x 3.7")
Weight	approximately 4.8 kg (10.6 lb.)
<b>Ordering Information</b>	<b>HI839800-01</b> (115V) and <b>HI839800-02</b> (230V) is supplied with power cable, instrument quality certificate, quick reference guide with QR code and URL link for manual download.