

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.)
Ordering Information	HI839800-01 (115V) and HI839800-02 (230V) is supplied with power cable, instrument quality certificate, quick reference guide with QR code and URL link for manual download.