

Accuracy and Safety

The HI 839800 COD reactor is constructed of durable materials. The aluminum block incorporates a 25-vial capacity and a well for a reference temperature probe.

The HI 839800 COD reactor is an easy to use test tube heater. Its well-marked user interface provides intuitive operation. The reactor is equipped with two predefined temperature settings: 150° and 105°C. COD and Total Phosphorus digestions are conducted at 150°C, and Total Nitrogen digestions are at the 105°C.

In addition, the HI 839800 has 3 LED's for visual indication. A green LED indicates power, a blinking red LED warns the user of a hot heater block (above 50°C), and a yellow LED indicates heating.

A three-hour countdown timer is also incorporated to control timed digestions. When the countdown timer expires, a beep will sound and the heating element will turn off.

The reactor contains a thermal fuse that prevents overheating by turning off the heating element.

The temperature of the block is continuously displayed on the LCD even when there is no active temperature program running.

Outer casing stays cool to the touch!



Low Temperature: Appears when the block is warming up. It alerts the user that the temperature is below the set value.



High Temperature: Appears when the block is warming up. It alerts the user that the temperature is above the set value.



Countdown Timer: Shows time remaining until the heating element shuts off.

SPECIFICATIONS

HI 839800

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| Temperature of Reaction | 105°C or 150°C (221°F or 302°F) |
| Temperature Stability | ±0.5°C |
| Temperature Range | -10°C to 160°C |
| Capacity | 25 vials (dia 16 x 100 mm), 1 receptacle for a stainless steel reference thermometer |
| Accuracy | ±2°C (@ 25°C/77°F) |
| Warm-up Time | 10-15 minutes, depending on selected temperature |
| Operating Mode | timed (0 to 180 minutes) or infinity mode |
| Block | aluminum |
| Environment | 5 to 50°C (41 to 122°F) |
| Power Supply (fuse protected) | HI 839800-01: 115 Vac; 60 Hz; 250 W HI 839800-02: 230 Vac; 50 Hz; 250 W |
| Dimensions | 190 x 300 x 95 mm (7.5 x 11.8 x 3.7") |
| Weight | approx. 4.8 kg (10.6 lb.) |



HI 740217 Lab Safety Shield

ORDERING INFORMATION

HI 839800-01 (115 Vac) and HI 839800-02 (230 Vac) are supplied with power cable and instructions.

ACCESSORIES

- HI 740216 Test tube cooling rack (25 tube capacity)
- HI 740217 Laboratory bench safety shield
- HI 151-00 Electronic thermometer for reactor (°C)
- HI 151-01 Electronic thermometer for reactor (°F)