

HI839800

COD Reactor

Programmable with 25 Vial Capacity

The HI839800 is a robust, 25 vial capacity thermo-reactor for COD determination of industrial wastewater. The reactor has three stored and three programmable (custom) temperature programs.

The stored programs support analysis methods at:

- 170 °C (COD methods)
- 150 °C (COD methods, Iron Total, Phosphorus Acid Hydrolyzable, Phosphorus Total methods)
- 105 °C (Chromium (VI) and Total, Nitrogen Total methods)
- Flexibility in supporting applications that require custom programs (time and temperature)
- Laboratory safety shield included
 - The included safety shield is highly recommended to use during vial digestion procedure to maintain a safe working environment
- Reactor block temperature continuously evaluated and displayed
- Built-in countdown timer
 - A timer of up to 180 minutes is included for applications that require timed digestions. The end of the digestion time is signaled by 5 short acoustic beeps and "DONE" message is displayed. The heating is turned off and the block begins to cool off.
- Status indicator lights
 - POWER (on)
 - HOT (surface)
 - HEATING (in progress)
- Overheating prevention
- Reference temperature probe well
 - A small temperature well can accommodate a temperature probe, useful for verifying the heating block.
- Warnings and error messages
 - The instrument displays warning messages when erroneous conditions appear and when values are outside the expected range such as 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

Use of HI740217 safety shield (included) and HI740216 cooling rack (not included) is strongly recommended.

Specifications	HI839800
Temperature Range*	30.0 to 170.0 °C (86 to 338 °F)
Set Temperature Programs	105 °C, 150 °C and 170 °C
Accuracy	±2 °C
Temperature Stability	±0.5 °C
Capacity	25 vials; Ø 16 mm x 100 mm (Ø 0.63" x 3.94") Reference temperature probe well
Warm-up Time	10 to 15 minutes, depending on selected temperature
Digestion Time	1 to 180 minutes
Environment	5 to 50 °C (41 to 122 °F)
Power Supply (fuse protected)	115 Vac (HI839800-01) 230 Vac (HI839800-02)
Dimensions	190 x 300 x 95 mm (7.5 x 11.8 x 3.7")
Weight (without safety shield)	approximately 4.8 kg (10.6 lb.)

Ordering Information

HI839800-01 (115 Vac, USA plug) and **HI839800-02** (230 Vac, European plug) is supplied with HI740217 laboratory safety shield; power cable; and quick reference guide with instructions for manual download and instrument quality certificate.

*Reactor displays outside temperature range of 20 - 30 °C (68 - 86 °F) and 170 - 180 °C (338 - 356 °F). Values below 20 °C (68 °F) and above 180 °C (356 °F) are not displayed.

