

HI839150

COD Reactor

with 25 Vial Capacity

HI839150 is a robust 25 vial capacity thermo-reactor for COD determination of industrial wastewater. The reactor has two stored digestion temperature programs that support analysis methods at:

- 150 °C (COD methods, Iron Total, Phosphorus Acid Hydrolyzable, Phosphorus Total methods)
- 105 °C (Chromium (VI) and Total, Nitrogen Total methods)
- **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!

Specifications

	HI839150
Temperature Range	20.0 to 160.0 °C (68 to 320 °F)
Set Temperature Programs	105 °C and 150 °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	about 10 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 (HI839150-01); 230 Vac (HI839150-02)
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	HI839150-01 (115 Vac, USA plug) and HI839150-02 (230 Vac, European plug) is supplied with HI740217 laboratory safety shield; power cable, quick reference guide with instructions for manual download, and instrument quality certificate.



Use of HI740216 cooling rack (not included) is strongly recommended.