

25 vial heater with timer

The Hanna HI 839800 thermo-reactor is an easy to use test tube heater with the capacity to perform up to 25 simultaneous digestions. Complete with a countdown timer, it can be used for timed or infinity testing procedures.

Robust and durable, the main body of the instrument is machined from a single block of metal. Temperature within the block is carefully controlled using a sophisticated electronic thermostat and can be verified quickly and easily by placing a thermometer in the temperature well provided.

The reactor is equipped with 6 pre-defined and 2 user-defined °C profiles.

- Dedicated temperature profiles for COD and total phosphorous reactions are preset to 150°C
- The total nitrogen analysis temperature is pre-set to 105°C
- In adjustable temperature mode (50 to 150°C), the heater can be used for other samples that require different digestion temperatures

Heater block temperature is continuously evaluated and displayed on the LCD

- Low temperature alert indicates that temperature is below set value
- High temperature alert warns when temperature rises above the set value
- Reactor has a thermal fuse that prevents overheating by disabling the heater

Countdown timer shows time remaining until heating element shuts off

- A three hour countdown timer is ideal for timed digestion
- The sound of a 'beep' indicates when the timer has expired and the heating element turns off
- To operate in infinity mode, the timer can be used without the shut-off feature

Specifications

Product Code	HI 83214
Temperature Of Reaction	selectable, 105°C or 150°C
Temperature Stability	±0.5°C
Capacity	25 vials (dia 16 x 100 mm), 1 receptacle for a reference thermometer with stainless steel probe
Accuracy	±2°C (@25°C)
Warm Up Time	approx. 30 minutes, depending on selected temperature
Operating Mode	timed (0 to 120 minutes) or infinity mode
Timer Range	0 to 120 minutes with acoustic alarm and automatic shut-off
Block	aluminum
Environment	5 to 50°C
Power Supply	100 Vac, 50/60 Hz; 230 Vac; 50 Hz; 250W; 2A fuse (See Chart)
Dimensions	190 x 300 x 95 mm
Weight	4.8 kg



Visual power indication

- Green LED indicates power on
- Blinking red LED warns if heater exceeds 50°C
- Yellow LED indicates heating is active

Safety precautions

- For optimum safety, the block heater should always be used with a safety shield or other physical barrier placed between samples under test and operator

Accessories



Stainless steel test tube rack to hold 25 COD tubes

HI 740216



Bench top safety shield for use with HI-9800 series COD reactor/digestor

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