

## COD Test Tube Heater with 25 Vial Capacity

- **Low temperature alert**

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

- **High temperature alert**

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.



The Analytical 3980 COD reactor is constructed of durable materials. The aluminum block incorporates a 25-vial capacity and a well for a reference temperature probe.

The Analytical 3980 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 Analytical 3980 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 timer digestions. When the countdown timer expires, a deep will sound and the heating element will turn off.

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

Block temperature is continuously displayed on the LCD even when there is no active temperature program running.

### ORDERING INFORMATION

Analytical 3980 COD (115V) and 3981 COD(230V) is Supplied with power and instructions.

#### Accessories

- Test tube cooling rack (25 tube Capacity)
- Laboratory bench safety shield
- Electronic thermometer for reactor (°C)
- Electronic thermometer for reactor (°F)

#### Specifications

Temperature of Reaction  
Temperature Stability  
Temperature Range  
Accuracy  
Capacity  
  
Warm-up Time  
Operating Mode  
Block  
Environment  
Power Supply (fuse protected)  
Dimensions  
Weight

#### Analytical 3980

105°C or 150°C (221°F or 302°F)  
±0.5°C (±0.9°F)  
-10°C to 160°C (14°F to 320°F)  
±2°C (±3.6°F)  
25 vials (dia 16 x 100mm) one receptacle for a Stainless steel reference thermometer  
10-15 minutes, depending on selected temperature  
timed (0 to 180 minutes) or infinity mode  
aluminum  
5 to 50°C (41 to 122°F)  
Analytical 3980; 115 VAC; 60 Hz; 250 W  
Analytical 3981; 230 VAC; 50 Hz; 250 W  
190 x 300 x 95mm (7.5 x 11.8 x 3.7")  
approximately 4.8 Kg (10.6 lb.)

## Regulatory compliances



## Corporate Social Responsibility



**Analytical  
Foundation**

Analytical Foundation is a nonprofit organization (NGO) founded for the purpose of:

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various fields of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)
2. Improving quality of life by offering YOGA Training courses, Workshops / Seminars etc.
3. ANALYTICAL FOUNDATION aims to DETOXIFY human minds, souls and bodies by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Comps etc.

## Reach us @



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