

CANNON® TE-3000 CONSTANT TEMPERATURE BATH



 **CANNON**
INSTRUMENT COMPANY®

CANNON® TE-3000 CONSTANT TEMPERATURE BATH

- ◆ Temperature range from -30°C to $+30^{\circ}\text{C}$
- ◆ Self-contained thermoelectric cooling — no accessory units required
- ◆ Convenient keypad data entry
- ◆ Selectable temperature scale (Celsius or Fahrenheit)
- ◆ Meets ASTM D 445 requirements for temperature stability

The CANNON TE-3000 Thermoelectric Constant Temperature Bath provides accurate temperature control between -30°C and $+30^{\circ}\text{C}$, meeting the requirements of ASTM D 445 for measurement of kinematic viscosity at low temperatures.

The low temperatures are obtained by built-in air-cooled Peltier cells which provide thermoelectric cooling. No external refrigeration unit or air/water heat exchanger is used.

Keypad Operation

The desired bath temperature and calibration temperatures are entered digitally by means of a keypad located on the front panel. Temperatures remain in memory even if power to the bath is accidentally cut off. Both the target temperature and the actual temperature of the bath are displayed continuously on a liquid crystal display. An on-screen menu permits selection of Celsius or Fahrenheit operation, along with several diagnostic features.

Durable Construction

The top cover of the bath contains two round holes 51 mm (2 inches) in diameter for insertion of glass capillary viscometers or other instruments. An additional hole is provided for a reference thermometer or probe. A four-pane "frost-free" viewing window and internal illumination by fluorescent lamps provide excellent visibility within the bath.

The bath holds 2.5 liters (0.66 gal) of bath medium (not supplied). The bath housing is fabricated from heavy aluminum coated with a corrosion-resistant epoxy finish. Contained in the housing is an aluminum bath vessel that measures 305 mm high x 121 mm wide x 83 mm deep. A baffle within the bath vessel facilitates circulation of the liquid and provides a smooth background for viewing instruments.

Viscometers, holders, appropriate bath medium, and thermometers must be purchased separately.



TE-3000 Specifications

Bath Size:	375 mm wide x 420 mm deep x 620 mm deep (14.8 x 16.5 x 24.4 inches)
Bath Capacity:	2.5 liters (0.66 gal)
Bath Dimensions (Internal):	121 mm wide x 83 mm deep x 305 mm high (4.75 x 3.25 x 12 inches)
Viewing Area:	265 mm high x 95 mm wide (10.45 x 3.75 inches)
Bath Weight:	43.1 kg (95 lbs)
Bath Shipping Weight:	59 kg (130 lbs)
Electrical:	Available in 120V, 220V, and 240V models. All models 50/60 Hz Please specify exact line voltage when ordering.

Order Information

Catalog #	Item Description
9726-A70	TE-3000, 120 volts, 50/60 Hz, 1000 watts
9726-A75	TE-3000F, 240 volts, 50/60 Hz, 1000 watts