

CANNON® TE-1500

Constant Temperature Bath

- Temperature Range from +10°C to -30°C
- Precision and Stability Satisfying ASTM D 445 Specifications
- Environmentally-Friendly Thermoelectric Cooling System
- Compact Footprint; No Accessory Heating/Cooling Units Required



CANNON
INSTRUMENT COMPANY®

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**CANNON® TE-1500 Constant Temperature Bath**

ASTM D 445/ISO 3104

The CANNON TE-1500 Thermoelectric Low Temperature Bath incorporates many new advances in science and technology, including custom-developed Peltier Cells and fan-cooled high-density heat sinks. The TE-1500 provides the precision required by ASTM D 445 for measurement of kinematic viscosity at low temperatures.

Compact Features

The TE-1500 is a compact, tabletop instrument which uses an air-cooled thermoelectric cooling system requiring no accessory heating or cooling units.

A selector switch on the front panel allows direct setting of eight temperatures commonly used for low-temperature measurement: 10, 0, -5, -10, -15, -20, -25, and -30°C. After this switch has been set, the bath will equilibrate to within a fraction of a degree of the desired temperature. A fine-tuning control then allows exact temperature adjustment. By switching to the "variable" setting on the front panel, any temperature within the operating range can be obtained.

Safety/Reliability

Bath safety and reliability are ensured by a number of built-in features including an internal thermostat which senses any over-temperature fault condition. If such a condition occurs, all power is removed from the bath until the internal temperature decreases sufficiently to reset the thermostat. If the control thermistor is disconnected, all power is removed from the bath until the thermistor connection is restored.



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Thermoelectric Low Temperature Bath

Description of Bath

The bath holds 2.5 liters of bath medium (not supplied). The bath housing is fabricated from heavy aluminum coated with a corrosion-resistant epoxy finish. 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. The aluminum bath vessel measures 305 mm high x 121 mm wide x 83 mm (12" x 4.75" x 3.25") deep. A baffle within the bath vessel facilitates circulation of liquid and provides a background for easy viewing of instruments. A four-pane "frost-free" viewing window and internal illumination by twin fluorescent lamps provide excellent visibility within the bath. Viscometers, holders, appropriate bath medium, and thermometers must be purchased separately.

TE-1500 Specifications

Bath Size:	375 mm wide x 420 mm deep x 620 mm high (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-A62	TE-1500, 120 volts, 50/60 Hz, 1000 watts
9726-A66	TE-1500F, 230 volts, 50/60 Hz, 1000 watts
9726-A68	TE-1500, 100 volts, 50/60 Hz, 1000 watts



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