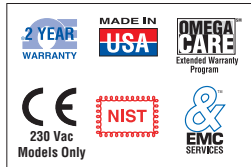


Blackbody Calibration Source Large 102 mm (4") Cavity Opening

BB704
\$2495
All Models



BB704, \$2495, shown smaller than actual size.

- ✓ Calibrates from 100 to 398°C (212 to 750°F)
- ✓ Portable Rugged Design
- ✓ Large 102 mm (4") Target Plate
- ✓ Calibrates Infrared Pyrometers Quickly and Accurately
- ✓ Built-In Digital PID Autotune Temperature Controller with Temperature Readout
- ✓ Traceable Calibration Certificate with 3 Temperature Data Points Included
- ✓ RS232 Output Standard
- ✓ Built-In RTD Reference Probe Output

The BB704 is a blackbody temperature reference source which is adjustable over a range of 100 to 398°C (212 to 750°F) and accurate to ±0.8°C (±1.4°F) of the indicated temperature. It has a built-in digital temperature controller to provide accurate, stable temperatures as well as to provide the temperature readings of the target plate. The heated cavity provides a target of known temperature and emissivity, and virtually any infrared pyrometer with a spot size diameter of 102 mm (4") or smaller can be calibrated. The compact, portable design allows for quick and easy calibration setups.

Specifications

Ambient Temperature: 0 to 50°C (32 to 122°F)
Power: 115 Vac 50/60 Hz or 230 Vac 50/60 Hz, 425 W
Operating Temperature Range (Blackbody Cavity): 100 to 400°C (212 to 752°F)
Internal Sensing Elements: RTD
Accuracy: ±0.8°C (±1.4°F)
Stability: ±0.1°C (±0.2°F)
Cavity Emissivity: 0.95
Warm-up Time: 20 minutes from ambient to 398°C (750°F)
Target Plate Diameter: 102 mm (4")
Dimensions: 410 x 190 x 264 mm (16.12 x 7.50 x 10.38")
Weight: 7.27 kg (16 lb)



Caution: To avoid fire hazard or damage to your calibrator, always allow your calibrator to cool down to ambient temperature before returning to storage.

We make running changes when technical advances allow. Check at time of ordering for additional features.

OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
BB704-230VAC*	\$2495	Blackbody calibration source, 230 Vac, 100 to 398°C (212 to 750°F)
BB704	2495	Blackbody calibration source, 115 Vac, 100 to 398°C (212 to 750°F)
MS-0333	125	Reference Book: Process/Industrial Instruments and Controls Handbook

Comes with operator's manual, power cord, reference probe connector, and NIST-traceable and calibration certificate.

* Note: Only 230 Vac model is available as CE marked.

Ordering Example: BB704, 115 Vac blackbody calibration source, \$2495.
 OCW-3 OMEGACARESM extends standard 2-year warranty to a total of 5 years (\$350),
 \$2495 + 350 = \$2845.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters