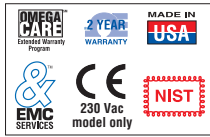


Hot/Cold Blackbody Calibration Source

OXYMORON®

BLACK POINT™
BB701

\$2995
All Models



BB701, \$2995, shown smaller than actual size.

- ✓ **BB701 Calibrates from -18 to 149°C (0 to 300°F)**
- ✓ **Portable, Rugged Design**
- ✓ **Calibrates Infrared Pyrometers Quickly and Accurately**
- ✓ **Built in Digital PID Autotune Temperature Controller with Temperature Readout**
- ✓ **NIST-Traceable Calibration Certificate Included with 3 Data Points**
- ✓ **RS232 Standard**
- ✓ **Special Nitrogen Purge Collar Limits Target Plate Condensation and Frosting at Low Temperatures**
- ✓ **Built-In RTD Reference Probe Output**

The BB701 blackbody calibrator is a high performance, rugged, portable calibrator for infrared pyrometers. The BB701 hot/cold model has a range of -18 to 149°C (0 to 300°F). It's ability to provide a stable, repeatable cold calibration point allows the user to calibrate or test most infrared pyrometers quickly and accurately without having to prepare an ice bath. Both models come with an RS232 computer interface which allows computer control of the setpoints for automatic test applications.

A NIST traceable calibration certificate is also provided.

Specifications

Target Plate Temperature Range:

-18 to 149°C (0 to 300°F)

Accuracy: ±0.8°C +1 digit (±1.4°F) (worst case)

Display Accuracy: ±0.3°C (±0.6°F) [over entire scale]

RTD Accuracy: ±0.375°C (±0.75°F) [worst case]

Stability: ± 0.6°C (± 1.2°F) or less

Ambient Environmental Conditions:

Temperature: 4.4 to 29.4°C (40 to 85°F) [target plate reaches 0°F]; 4.4 to 43°C (40 to 110°F) [target plate reaches 11.8°F]

Humidity: 0 to 90% RH, non-condensing

Target Plate Size: 63.5 mm (2.5")

Cavity Emissivity: 0.95

Internal Control Sensor: Platinum RTD, 100 Ω, 0.00385

Calibration Reference Sensor: Platinum RTD, 100 Ω, 0.00385

Warm-up Time: 5 min, from ambient to 149°C (300°F)

Cool-Down Time: 5 min, from ambient to -18°C (0°F)

Power Requirements by Model:

BB701: 115 Vac~, 50/60 Hz, 175 W

BB701-230VAC: 230 Vac~, 50/60 Hz, 175 W

Dimensions:

19.5 H x 35.5 W x 36.5 mm L (7.75 x 14.128 x 15.5")

Weight: 12.7 kg (28 lb)

Markings: CE (230 Vac model only)

Installation Category: II

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
BB701	\$2995	Hot/cold BB cal source, 115 V, range: -18 to 149°C (0 to 300°F)
BB701-230VAC	2995	Hot/cold BB cal source, 230 V, range: -18 to 149°C (0 to 300°F)

Comes with operator's manual and calibration certificate.

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

Ordering Example: BB701, hot/cold blackbody calibration source, \$2995.

OCW-3, OMEGACARESM extends standard 2-year warranty to a total of 5 years (\$350), \$2995 + 350 = \$3345.



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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