Hot/Cold Blackbody Calibration Source

OXYMORON®

BLACKPOINT™
Model BB701



Shown smaller than actual size

230 Vac model only

- **Model BB701 Calibrates from -19 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 Three Data Points**
- **RS-232 Standard**
- **Special Nitrogen Purge Collar Limits Target Plate Condensation and Frosting at Low Temperatures**
- **Built-In RTD Reference Probe Output**

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.

The BB701 Blackbody Calibrator is a high performance, rugged, portable calibrator for infrared pyrometers. The BB701 Hot/Cold model has a range of -19 to 149°C (0 to 300°F). The BB701'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 RS-232 computer interface which allows computer control of the setpoints for automatic test applications. A NIST traceable calibration certificate is also provided.

OMEGACARE℠ extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order.

Specifications:

Operating Temperature Range: (Blackbody Cavity): -19 to 149°C@29.4°C (0 to 300°F @ 85°F)
Ambient Temperature: 4.4 to 43°C (40 to 110°F)
Power: 115 Vac 50/60 Hz, 175 W or 230 Vac 50/60 Hz
Internal Sensing Element: Platinum RTD
Stability: ±0.6°C (±1.0°F)
Accuracy: ±0.8°C (±1.4°F)
Display Resolution: 0.1°
Dimensions: 192 H x 364 W x 363 mm (7.6 x 14.3 x 14.3")
Cavity Emissivity: 0.95
Cool Down Time: 5 min from ambient to -19°C (0°F).
Target Plate Diameter: 63.5 mm D (2.5")
Weight: 12.7 kg (28 lb)

To Order *(Specify Model Number)*

Model No.	Price	Description
BB701	**$2995**	Hot/Cold B.B. cal. source, 115 V, range: 19 to 149°C (0 to 300°F)
BB701-230VAC	**2995**	Hot/Cold B.B. cal. source, 230 V, range: 19 to 149°C (0 to 300°F)

***Note:** Only 230 Vac model is available as CE marked.*
***Ordering Example: BB701** Hot/Cold Blackbody Calibration Source comes complete with operator's manual and calibration certificate, . OMEGACARE℠ extends standard 2-year warranty to a total of 3 years*

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