

# High Performance Blackbody Calibration Source

BLACK POINT™  
BB702

**\$1995**  
All Models



Standard 230 Vac model only

- ✓ Calibrates From Ambient 10 to 215°C (Ambient 20 to 420°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
- ✓ RS232 Standard
- ✓ Tilt Stand for Benchtop Operation and Easy Portability
- ✓ Built-In RTD Reference Probe Output

The BB702 blackbody calibrator is a high performance, rugged, portable calibrator for infrared pyrometers. The BB702 has a range of ambient 10 to 215°C (ambient 20 to 420°F). Both models come standard with an RS232 computer interface which allows computer control of the setpoint for automatic text applications. A NIST-traceable calibration certificate is also provided.

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



BB702, \$1995.

## Specifications

### Target Plate Temperature Range:

Ambient 10 to 215°C  
(ambient 20 to 420°F)

**Accuracy:** ±0.5°C, ±0.25% rdg  
(±0.9°F, ±0.25% rdg)

**Stability:** ±0.1°C (±0.2°F)

### Ambient Environmental Conditions:

**Temperature:** 5 to 45°C (41 to 113°F)

**Humidity:** 0 to 90% RH,  
non-condensing

**Target Plate Size:** 63.5 mm (2.5")

**Target Plate Emissivity:** 0.95

**Internal Control Sensor:** Platinum RTD,  
class A, alpha = 0.00385

**Reference Sensor:** Platinum RTD,  
class A, alpha = 0.00385

**Warm-Up Time:** 12 min from ambient  
to 204°C (400°F)

### Power:

**BB702:** 115 Vac, 50/60 Hz, 75 W

**BB702-230VAC:** 230 Vac,  
50/60 Hz, 75 W

### Dimensions:

152 H x 305 W x 280 mm L  
(6 x 12 x 11")

**Weight:** 7.2 kg (16 lb)

**Certifications:** CE (230 Vac model only)

**Installation Category:** II

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



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

**AVAILABLE FOR FAST DELIVERY!**

## To Order (Specify Model Number)

Model No.	Price	Description
BB702	\$1995	BB calibration source, 115V, range: ambient 10 to 215°C (ambient 20 to 420°F)
BB702-230VAC*	1995	BB calibration source, 230V, range: ambient 10 to 215°C (ambient 20 to 420°F)

Comes complete with operator's manual and NIST calibration certificate.

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

**Ordering Example:** BB702, blackbody calibration source, \$1995. OCW-3, OMEGACARE™ extends standard 2-year warranty to a total of 5 years (\$350), \$1995 + 350 = \$2345.



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