

# High Temperature Blackbody Calibration Source

**BLACK POINT™  
BB-4A**  
Starts at

**\$3595**



- ✓ Calibrate from 100 to 982°C (212 to 1800°F)
- ✓ Portable Rugged Design
- ✓ Built in Digital PID Autotune Temperature Controller with Temperature Readout
- ✓ NIST-Traceable Calibration Certificate Included with 3 Data Points
- ✓ RS232 Standard
- ✓ Built-In Type K Reference Probe Output



BB-4A, \$3595, shown smaller than actual size.

This BB-4A is a blackbody temperature reference source which is adjustable over the range from 100 to 982°C (212 to 1800°F) and accurate to  $\pm 1^\circ\text{C}$ ,  $\pm 0.25\%$  reading 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 cavity. The heated cavity provides a target of known temperature and emissivity, and virtually any infrared pyrometer with a spot size diameter less than 22 mm (0.88") can be calibrated. The compact, portable design allows for quick and easy calibration setups.



Shown calibrating the OS1552-A pyrometer, \$690. See page J-93 for details.

**Cavity Emissivity:** 0.99  
**Warm-Up Time:** 1.0 hr from ambient to 982°C (1800°F)  
**Cavity Opening:** 22 mm (0.88")  
**Weight:**  
**BB-4A:** 8 kg (17 lb)  
**BB-4A-230VAC:** 15 kg (33 lb)  
**Dimensions:**  
 190 H x 410 W x 264 mm D  
 (7.5 x 16.12 x 10.4")

**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.

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

## Specifications

**Operating Temperature Range:**  
100 to 982°C (212 to 1800°F)

**Accuracy:**  $\pm 1^\circ\text{C}$ ,  $\pm 0.25\%$   
( $\pm 1.8^\circ\text{F} \pm 0.25\%$ ) rdg

**Stability:**  $\pm 0.15^\circ\text{C}$  or less

## Environmental

### Operating Conditions

**Ambient Temperature:**  
0 to 50°C (32 to 122°F)

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

**Power:** 115 Vac, 50/60 Hz or 230 Vac, 50/60 Hz, 400 W

**Internal Sensing Element:**  
Type K thermocouple

## ALL MODELS AVAILABLE FOR FAST DELIVERY!

### To Order (Specify Model Number)

Model No.	Price	Description
BB-4A	\$3595	High temperature blackbody, 115 Vac range 100 to 982°C (212 to 1800°F)
BB-4A-230VAC	3795	High temperature blackbody, 230 Vac range 100 to 982°C (212 to 1800°F)

Comes with operator's manual.

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

Ordering Example: BB-4A, high-temperature blackbody calibration source, \$3595.

OCW-3, OMEGACARE<sup>SM</sup> extends standard 2-year warranty to a total of 5 years (\$350), \$3595 + 350 = \$3945.



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