

# High Temperature Blackbody Calibration Source

Display Switchable °C or °F.

BLACK POINT™ BB-4A Starts at

**\$3595**



Standard 230 Vac model only

- ✓ 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

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 ±1°C, ±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.

## Specifications

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

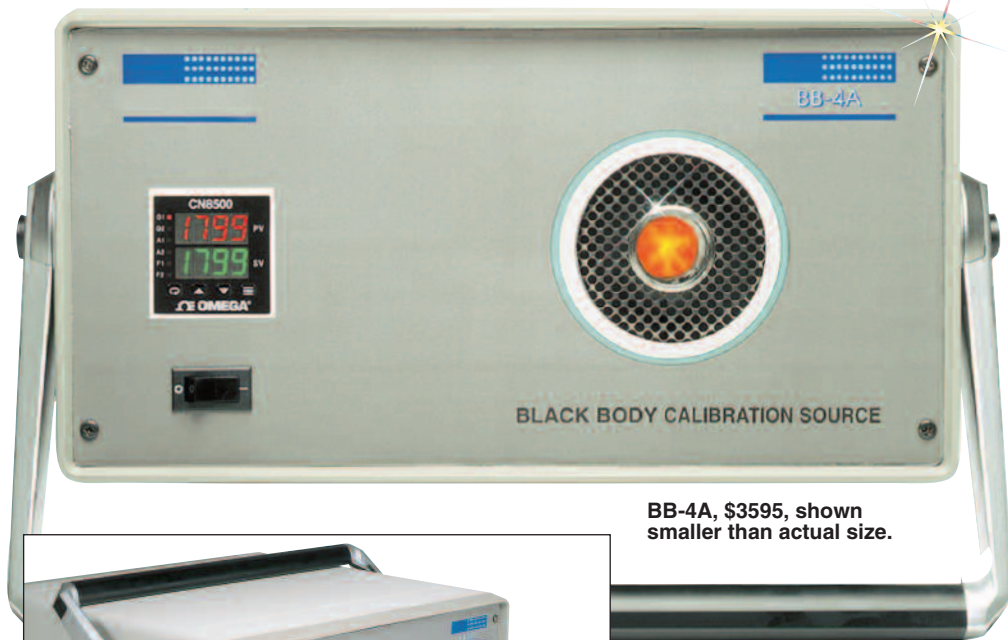
**Accuracy:** ±1°C, ±0.25% (±1.8°F ±0.25%) rdg

**Stability:** ±0.15°C or less

## Environmental Operating Conditions

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

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



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



Shown calibrating the OS1552-A pyrometer, \$690. See page J-71 for details.

Use the BB-4A to Calibrate Both Infrared Pyrometers and Transmitters.

**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

**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")



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.

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

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

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

**Ordering Examples:** 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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