

# High Temperature Blackbody Calibration Source

Display  
Switchable  
°C or °F.

## BLACK POINT™ BB-4A



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  $\pm 1^\circ\text{C}$ ,  $\pm 0.25\%$  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.

### 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)

**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 shown smaller than actual size.

Shown calibrating the OS1552-A pyrometer. Visit [omega.com](http://omega.com) for details.

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



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.

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

**To Order Visit [omega.com/bb-4a](http://omega.com/bb-4a) for Pricing and Details**

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

OCW-3, OMEGACARE™ extends standard 2-year warranty to a total of 5 years.