

Miniature Blackbody Calibration Source

Portable Design and High Temperature Range



NOW AVAILABLE!
Models with RS232
and Free Software

BLACK POINT™
BB703
Starts at
\$890

- ✓ Calibrates From Ambient 10 to 400°C (Ambient 20 to 752°F)
- ✓ Portable Miniature Design
- ✓ Built-In Digital 1/32 DIN Temperature Controller
- ✓ Calibrates Infrared Instruments Quickly and Accurately
- ✓ NIST-Traceable Calibration Certificate with 3 Data Points Included
- ✓ Soft Carrying Case Included
- ✓ Optional RS232 Communications with Free CN9-SW Communications Software and Cable



The BB703 is a high performance, rugged, miniature blackbody calibrator. It is used for infrared pyrometer calibrations with a temperature range of ambient 10 to 400°C (ambient 20 to 752°F). With its unique miniature design and built-in 29 mm (1.125") target plate, the BB703 is an ideal and economical infrared calibrator for any laboratory or field service application. The new -C2 option allows for remote configuring, adjustment, and reading. Free software is included with these models.

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

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.

Specifications

Target Plate Temperature Range:

Ambient 10 to 400°C
(Ambient 20 to 752°F)*

Ambient Environmental Conditions:

Temperature: 0 to 40°C (32 to 104°F)*
Humidity: 0 to 90% RH, non-condensing

Power:

BB703: 115 Vac, 50/60 Hz 175 W
BB703-230VAC: 230 Vac, 50/60 Hz, 175 W

Internal Control Sensor:

Platinum RTD, Class A, 100Ω, alpha = 0.00385
Accuracy: ±1.4°C (±2.5°F)
Resolution: 0.1°

Stability: 0.3°C (±0.5°F)

Display Accuracy: 0.3°C (±0.6°F) [over entire range]

Target Plate Emissivity: 0.95

Size: 56 H x 127 W x 155 mm D (2.2 x 5 x 6.1")

Weight: 1.09 kg (2.4 lb)

Certifications: CE (BB703-230VAC only)

Installation Category: II

* Maximum setpoint must be reduced when operating at ambient temperatures in excess of 25°C (77°F)

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

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
BB703	\$890	Miniature blackbody calibration source, 115 Vac
BB703-230VAC*	890	Miniature blackbody calibration source, 230 Vac

Communications Option

(Pre-wired, 6' cable included)

Suffix	Price	Description
-C2	\$125	RS232 communications and free CN9-SW software

Comes with operator's manual and calibration certificate.

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

Ordering Example: BB703-C2, 115 Vac blackbody calibration source, with the RS232 option, \$890 + 125 = \$1015. OCW-2, OMEGACARE™ extends standard 3-year warranty to a total of 5 years (\$160), \$890 + 160 = \$1050.



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• pH and Conductivity

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• Pressure, Strain and Force

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters