

Miniature Blackbody Calibration Source

Portable Design and High Temperature Range

BLACK POINT™ BB703



Standard 230 Vac
model
only



**Models with RS232
and Free Software
Available!**

- ✓ Calibrates From Ambient 10 to 400°C (Ambient 20 to 752°F)
- ✓ Portable Miniature Design
- ✓ Built-In Digital $\frac{1}{32}$ 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 "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.

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)

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.**

To Order

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

Communications Option

Suffix	Description
-C2	RS232 communications and free CN9-SW software, pre-wired, 1.8 m (6') cable included