

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 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 |