

Very High Temperature Laboratory Blackbody Calibration Source

**BLACK POINT™
BB705**



Standard 230 Vac model only

- ✓ Calibrates From 100 to 1046°C (212 to 1915°F)
- ✓ Built-In Reference Temperature Display
- ✓ Large 44.5 mm (1.75") Aperture
- ✓ Calibrates Infrared Pyrometers Quickly and Accurately
- ✓ Built-In PID Autotune Control with Digital Readout
- ✓ NIST-Traceable Calibration Certificate Included with 3 Data Points
- ✓ RS232 Communication Standard**



Specifications

Ambient Temperature:
0 to 35°C (32 to 95°F)

Power: 115 Vac 50/60 Hz or 230 Vac 50/60 Hz

Operating Temperature Range (Blackbody Cavity):
100 to 1046°C (212 to 1915°F)

Internal Sensing Elements:
Platinum thermocouples

Stability: 0.4°C (0.7°F) per 8-hour period

Accuracy:
±0.25% of reading; ±1°C

Cavity Emissivity: 0.99
Warm-up Time: 80 minutes from 100°C to 1000°C

Dimensions:
566 W x 520 H x 600 mm D (22.3 x 20.5 x 23.6")

Cavity Opening: 44.5 mm (1.75")
Weight: 31 kg (68 lb)



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



Shown calibrating OS523 Series high temperature infrared pyrometer, \$1095. See page J-29 for details.

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
BB705	\$9995	Blackbody, 110 Vac
BB705-230VAC*	9995	Blackbody, 230 Vac, CE

Comes complete with operator's manual and NIST-traceable calibration certificate.

* Note: Only 230 Vac models are CE marked.

** Communication software CN8-SW can be downloaded. Please visit newportUS.com/cn8sw

Ordering Example: BB705, blackbody calibration source.