

Very High Temperature Laboratory Blackbody Calibration Source

**BLACK POINT™
BB705**



Standard

BB705.



- ✓ 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)



Shown calibrating OS523 Series high temperature infrared pyrometer. See Omega for details.

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

To Order	
Model No.	Description
BB705	Blackbody, 110 Vac
BB705-230VAC	Blackbody, 230 Vac

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

* Communication software CN8-SW can be downloaded. Please visit Omega.

Ordering Example: BB705, blackbody calibration source.