

BBS 1150

Blackbody Calibration Source



The BBS 1150 blackbody calibration source features a high emissivity of +0.995 with a large 2" aperture and superior uniformly heated spherical cavity.

Simply adjust the set point on the precision digital PID controller to any temperature from 200°C to 1150°C (392°F to 2102°F).

The Model BBS 1150 will attain the set point temperature stabilize and produce the radiometric temperature readings necessary for precision calibration of non-contact infrared thermometers, thermal imaging detectors/camera, focal plane array detectors, heat flux meters, spectrophotometers and optical devices.

TECHNICAL DATA	
Model	BBS 1150
Temperature Range	200° to 1150°C or 392° to 2102°F
Accuracy	±0.25% of reading ±1°C
Temperature Resolution	1 degree
Stability	0.5°C
Emitter Diameter	2.0" (51mm)
Emissivity (Effective)	>0.99
Method of Measurement	Precision thermocouple
Method of Control	Precision PID controller
Warm-up Time	1 hour from room temperature to 1000°C
Operating Ambient Temperature	0° to 45°C (32° to 113°F)
Cooling	Fan cooled, air exhaust at rear panel
Power Requirements	230VAC 50/60Hz, 4.46kw, 19 amps maximum.
Dimensions (WxHxD)	19" x 25" x 21" (482.6 x 635 x 533.4mm)
Weight	80kg (175 lbs.)

Specifications and or product picture subject to change.