

# BBS1150

## HIGH TEMPERATURE BENCHTOP BLACKBODY CALIBRATION SOURCE



### OVERVIEW

The BBS1150 Blackbody Calibration Source is perfect for mid to high temperature calibration requirements. It features high accuracy, high emissivity of +0.995 with a large 2-inch aperture and superior uniformly heated 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 BBS1150 will attain the set point temperature, stabilize, and produce the radiometric temperature readings necessary for precision calibration of non-contact infrared pyrometers/thermometers, thermal imaging cameras, focal plane array detectors, heat flux meters, spectrophotometers, and optical devices.

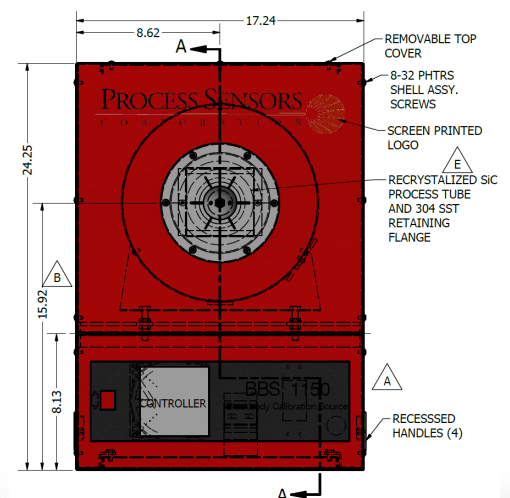
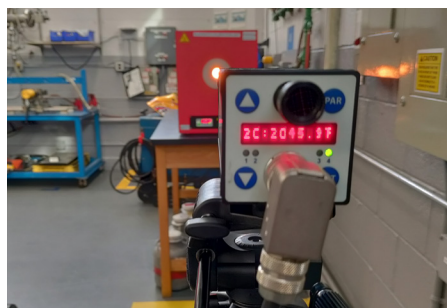
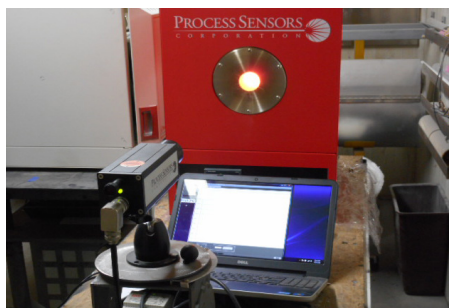
### SPECIFICATIONS

Model	BBS1150
Temperature Range	200° to 1150°C 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 (W x H x D)	19" W x 25" H x 21" D (482.6 x 635 x 533.4mm)
Weight	80 kg (175 lbs.)



### BBS1150 FEATURES

- User selectable temperature set points within 200° to 1150°C
- Large 2-inch aperture
- Automatically stabilizes and produces the radiometric temperature readings necessary for precision calibration
- Calibrates a wide variety of devices
- Precise and reliable for years of operation in the field



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