



# Blackbody

BB04 / BB04-INT-AU/EU/UK\*

Portable, high accuracy reference device

## Features

- High sensitivity, stability, and uniformity
- Compact footprint
- Lightweight

## What's in the box

- Blackbody Source
- Power Adaptor

Our Blackbody has a fixed emissivity of 0.97 and is specifically designed to calibrate infrared temperature sensors. It was calibrated with a transfer standard at time of manufacture, which eliminates the need for offset. The emitting area is 2.75 inches (70 mm) square and features extremely high sensitivity, stability, and uniformity with an accuracy of  $\pm 0.1^{\circ}\text{C}$ . Use it on any horizontal surface or with an optional tripod.

Specifications	Temperature Range	30°C to 60°C, (86°F to 140°F)
	Temperature Accuracy	$\pm 0.1^{\circ}\text{C}$
	Emissivity	$0.95 \pm 0.02$ (Factory calibrated with the emissivity of 0.97)
	Display Resolution	0.1°F or 0.1°C
	Controller	User Adjustable
	Aperture (Target Size)	2.75x 2.75 in (70 x 70 mm) Square Plate
	Spectrum	8 to 14 microns
	Calibration Method	Pyrometric
	Uniformity	$\pm 0.1^{\circ}\text{C}$ , within a central area diameter of 51mm (2")
	Stability	$\pm 0.1^{\circ}\text{C}$
General	Operating Temperature	0°C to 30°C (32°F - 86°F)
	Power Adaptor*	Input: 100-240V AC, Output: 24VDC/1.5A/40 Watts
	Dimensions	3.5 x 3.5 x 6.1 in (90x 90 x 155 mm)

Optional accessories: TP200 Large Tripod

\* International Power Adaptor type specified by Model Number suffix, with the following options:  
BB04-INT-EU (Type-C), BB04-INT-UK (Type-G) and BB04-INT-AU (Type-I)