

# Dual Black Body

Infrared Temperature Calibrator



## Standard Features

- Low Temp Range -20 °C To 135 °C & High Temp Range Ambient + 20 °C To 650 °C, Depending On Model
- Hot & Cold Calibration Surfaces
- Adjustable Bail Handle For Added Convenience
- Includes Two Removeable RTD Reference Sensors & Thermocouple Sensor
- RS-232 Interface With Software
- 12-Month Warranty



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## Infrared Temperature Calibrator



### DBB-350 & DBB-650

EDL's Dual Black Body infrared calibrators allow simultaneous calibration at hot and cold temperatures. This portable calibrator is easy to use and available in both mid and high temperature ranges. EDL's novel approach to calibration improves the quality of your measurement process by eliminating the need to wait for a single black body calibrator to stabilize. The two independently controlled black bodies are precision machined for an emissivity of 0.986. The hot side operates from ambient up to 350 °C and the cold side operates from -20 °C to 135 °C. The high temperature version is available up to 650 °C (DBB-650). This innovative IR calibration system includes two removable RTD reference sensors traceable to NIST, a thermocouple sensor, and an RS-232 computer interface for easy automation of your measurement process.



### Standard Features

- High Stability
- Fast Heat-Up
- Simple Operation
- RS-232 Interface With Software
- Includes Two Removable RTD Reference Sensors & A Thermocouple Sensor
- Adjustable Bail Handle For Added Convenience
- Calibration Report Included
- Protection For RTD Inputs
- Hot & Cold Calibration Surfaces
- 0.1° Resolution
- Rugged & Lightweight
- Technical Support - Repairs & Calibrations Done In-House
- 12-Month Warranty

### Industries Served

- Food Industries
- Rubber & Plastics Industries
- Calibration Labs
- Pharmaceutical Companies
- Racing Teams

### Specifications

Part #	DBB-350	DBB-650
<b>Black Body Area</b>	2.5 in. <sup>2</sup>	2.5 in. <sup>2</sup>
<b>Stability</b>	±0.2 °C	±0.2 °C
<b>Emissivity</b>	0.98 ±0.02 °C	0.98 ±0.02 °C
<b>Height</b>	41 cm (16.25")	41 cm (16.25")
<b>Width</b>	34 cm (13.375")	34 cm (13.375")
<b>Weight</b>	9 kg (~20 lbs.)	9 kg (~20 lbs.)
<b>Accuracy</b>	±0.3 °C	±0.3 °C
<b>Interface</b>	RS-232	RS-232
<b>Power</b>	110V, 4 amps 50/60HZ	110V, 4 amps 50/60HZ
<b>Low Range</b>	-20 °C to 135 °C	-20 °C to 135 °C
<b>High Range</b>	Ambient +20 °C to 350 °C	Ambient +20 °C to 650 °C

Your Electronic Development Labs, Inc. distributor is:



The Temperature People® Since 1943

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