



## KEY FEATURES

- 2" Diameter Aperture for Small Sensors and Short Stand-off Operation
- Thermo-Electric Drive Provides Both Hot and Cold Set-Point
- Faster Slew Rates Than Resistive Heater Devices.
- Thermo-Electric Drive Provides Both Hot and Cold Set-Point
- Achieves Set-point Temperature in < 1 Min.
- Faster and Easier Lab Calibration
- OEM Models Can Be Incorporated Into Instrument Housing for Built-in Calibration

## **BB-50 SINGLE POINT BLACKBODY**

### SPECIFICATIONS

*Slew rate:* +0.10°C/s, -0.08°C/s  
*Stability:* 0.05°C rms (±0.1°C p-p)  
*Emissivity:* >0.95  
*Max/Min Temperature:* 150°C / -3°C  
*Set point resolution:* 0.1 °C  
*Accuracy:* 0.5 °C  
*Dimensions:* 6" x 6" x 9"  
*Face dimensions:* 2" Diam.  
*Weight:* 5 lbs.  
*Environment:* 60 °C to -20 °C  
*Power In:* 120 VAC, 40 W

### **HIGH SLEW RATE RAPID SETTLING TIME**

Thermo-electrically driven blackbody provides precise infrared emission over the MWIR and LWIR spectral bands.

Flat-plate blackbody ideal for two point calibration of imagers, pyrometers and single detectors.

Digital Interface to custom PC set-point control application via RS-232 connection.

Collimating optics and multiple-frequency bar targets available for scene projection.

INFRARED BLACKBODY SOURCES TO MEET YOUR CALIBRATION NEEDS

**BODKIN DESIGN & ENGINEERING, LLC**

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