



## KEY FEATURES

- 4" Diameter Aperture for Large Sensors and Long Stand-off Operation
- Thermo-Electric Drive Provides Both Hot and Cold Set-Point.
- Faster Slew Rates Than Resistive Heater Devices.
- Computer Controlled - USB Interface. Multiple Operating Modes
  - 1) Virtual Control Panel
  - 2) Setup and Forget, Returns to Same Setting on Every Start-up
  - 3) Slaved to Master Control to Run Thermal Profile Routines
- Achieves Set-point Temperature in < ~15 Min.

## **BB-100 SINGLE POINT BLACKBODY**

### SPECIFICATIONS

*Slew rate:* 0.08°C/s

*Stability:*  $\pm 0.01^\circ\text{C}$  p-p (0.005°C rms)

*Emissivity:* >0.95

*Max/Min Temperature:* 100°C / 0°C

*Set point resolution:* 0.01 °C

*Accuracy:* 0.1 °C

*Dimensions:* 6" x 6" x 9.5"

*Face dimensions:* 4" dia.

*Weight:* 8.0 lbs.

*Environment:* 60 °C to -20 °C

*Power In:* 120/240 VAC, 150 W Max

### **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 single point calibration of imagers, pyrometers and single detectors.

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

**Rapid blackbody systems and customized components available**

**INFRARED BLACKBODY SOURCES TO MEET YOUR CALIBRATION NEEDS**

**BODKIN DESIGN & ENGINEERING, LLC**

TEL 617.795.1968  
FAX 617.795.1969

WWW.BODKINDESIGN.COM  
SALES@BODKINDESIGN.COM