



## **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:
  - Virtual Control Panel
  - Setup and Forget, Returns to Same Setting on Every Start-up
  - Slaved to Master Control to Run Thermal Profile Routines
- Achieves Set-point Temperature in Less than 15 Min.

# **BB-100 THERMAL REFERENCE 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**

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