

Blackbody Reference Emitter Instrument



Highly temperature stable blackbody reference target for Electro-Optical Sensor characterization. Standalone instrument configuration or one that can be integrated into product testing via ethernet RJ-45 interface.



PRODUCT FEATURES

- Variable target temperature ranges from 5°C to 60°C
- Highly uniform target temperature of $\pm 0.010^\circ\text{C}$
- Remote Thermal Target Head + Controller
- Optional Dry Air/Nitrogen purge inlet



SPECIFICATIONS

- Emitter Dimensions:** variable, up to 24"
- Temperature Range:** 5°C to 65°C
- Temperature Accuracy:** $\pm 0.020^\circ\text{C}$
- Temperature Settling Time:** 1 0.08°C/sec or 12.5 sec/°C
- Uniformity across Target:** $\pm 0.010^\circ\text{C}$
- Emissivity:** 0.98 ± 0.01
- Power Consumption:** 800 Watt
- Blackbody Dimensions:** variable, up to 24"
- Controller Operating Temp:** -10° to 70°C
- Operating Voltage:** 90 to 264 VAC, 50/60 Hz, IEC C20 16A receptacle
- Optional Dry Air/Nitrogen Inlet:** 5/32" (3.97 mm) tube OD, push-to-connect 1 Based on 25°C step response command