

Blackbody Calibration Device

Widely used in commercial buildings, service organizations, schools, stations etc.



Overview

This Black Body is a high-sensitivity and high-accuracy temperature calibrator and its real-time temperature readings are within $\pm 0.1^{\circ}\text{C}$. Its temperature measurement range is from 30°C to 40°C and it has a large effective radiation surface to support long-distance temperature measurement.

This calibrator is often used together with temperature measurement devices to eliminate temperature drift and improve the accuracy of temperature measurement. It has a wide range of applications, such as airports, schools&universities, hospitals, shopping malls, offices and other high-traffic temperature measurement places.

Benefits

- $\pm 0.1^{\circ}\text{C}$ Accuracy
- Real-time Correction
- 72mmx 72mm Large Radiation Area
- Used with Dual-spectral Thermal Camera

Technical Specification

BD724

| General | |
|---------------------------|--|
| Temperature Resolution | 0.1°C |
| Stability | ±0.15°C/30min |
| Radiation Spectrum | 8μm to 14μm |
| Power | DC 24V |
| Radiation Area | 72x 72mm |
| Weight | <1.4kg |
| Dimensions (Hx Wx D) | 4.3"x 4.3"x 7.1" (110x 110x180mm) |
| Working Temperature Range | 30°C to 40°C(86°F to 104°F) |
| Effective Emissivity | Adjust according to 0.97 |
| Operating Temperature | 0°C to 40°C(32°F to 104°F) |
| Humidity | 20% to 90%RH(non-condensing) |
| Accuracy | ±0.1°C (@factory calibration, environment temperature 23°C ± 5°C); ±0.2°C (@factory calibration, environment temperature 23°C ± 10°C) |
| Warranty | 2 Years |



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