

BL671 Portable Blackbody Calibration Source



The BL671 is a small size blackbody calibration source utilizing a digital indicating temperature ambient 30°C to 50°C (86F to 122F). A 70x70 mm size ridged plate is heated or cooled with an internal solid state thermoelectric heat pump. It has a built-in digital temperature controller to provide accurate, stable temperature as well as to provide readout.

FEATURE

- 0.05°C High stability
- Emissivity 0.97 ± 0.02
- Calibrate from 30°C to 50°C
- Target size is 70mm x 70mm
- Built-in temperature correction function
- Portable and light weight
- Easy operate

APPLICATION

- Ambient temperature compensation for thermal image camera
- Test infrared thermometer

INTERFACE VIEW



SPECIFICATION

Temperature range	30°C to 50°C (86F to 122F)
Aperture size	70 mm * 70mm
Emissivity	0.97 ± 0.02
Display accuracy	± 0.05°C ,(uncertainty is 0.2°C, k=2)
Display resolution	0.01°C
Control stability	± 0.05°C after 10 minutes
Blackbody uniformity	0.05°C
Heat cavity shape	Plat Plate
Warm up time	10 minutes from ambient to 50°C
Control method	Digital PID controller with readout
Temperature sensor	Precision platinum RTD
Power supply	110-220V AC 50Hz, 60WA
Interface	RS232
Dimension	250mm(D) x 140mm(W) x 180mm(H)
Net weight	Appro. 2 kg

SCOPE OF DELIVERY

- BL671 Portable blackbody calibration source with case
- Factory calibration report
- Power adapter

OPTIONAL ACCESSORIES

- USB into RS232 adapter (P/N: 1622)
- Accredited calibration certificate (P/N: 9000-671)
- Tripod with carrying bag (P/N: 67X-TP)



ORDERING MODEL NUMBER

- Model BL671



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