

# BL672 Benchtop Blackbody Calibration Source



The BL672 is a benchtop blackbody calibration source utilizing a digital indicating temperature ambient 30°C to 50°C (86F to 122F). Two 60mm diameter end closed tube 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

- 0.99 emissivity
- Two end closed tube with 60mm diameter
- 0.05°C High stability
- Emissivity is higher than 0.99
- Calibrate from 30°C to 50°C
- Built-in temperature correction function
- Dual end closed tube improved efficiency
- Easy operate

## APPLICATION

- Calibrate the infrared thermometer
- Calibrate the thermal camera
- Test infrared sensor

## INTERFACE VIEW



## SPECIFICATION

Temperature range	30°C to 50°C (86F to 122F)
Aperture size	2 x 60mm diameter
Emissivity	0.99
Display accuracy	± 0.05°C
Display resolution	0.01°C
Control stability	± 0.05°C after 10 minutes
Blackbody uniformity	0.05°C
Heat cavity shape	End closed tube
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	435mm(D) x 390mm(W) x 200mm(H)
Net weight	Approx. 10 kg

## SCOPE OF DELIVERY

- BL672 Benchtop blackbody calibration source with case
- Factory calibration report
- Power adapter

## OPTIONAL ACCESSORIES

- USB into RS232 adapter (P/N: 1622)
- Accredited calibration certificate (P/N: 9000-672)

## ORDERING MODEL NUMBER

- Model BL672

