

# BL672S Isothermal Blackbody Calibration Source



With isothermal cavity, the BL672S is a portable blackbody calibration source utilizing a digital indicating temperature ambient 20°C to 50°C (68F to 122F). The 80 mm 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

- The isothermal cavity
- Better than 0.995 emissivity
- 80mm diameter aperture
- 0.05°C high stability
- Calibrate from 20°C to 50°C
- Built-in temperature correction function
- Portable and easy operate

## APPLICATION

- Calibrate ear infrared thermometer
- Calibrate forehead infrared thermometer
- Calibrate thermal camera
- Calibrate infrared screening instrument
- Calibrate infrared sensor



## SPECIFICATION

Temperature range	20°C to 50°C (68F to 122F)
Effective aperture size	80mm diameter
Emissivity	Better than 0.995
Cavity type	Isothermal blackbody cavity
Control stability	± 0.05°C
Display resolution	0.01°C
Blackbody uniformity	0.05°C
Heat cavity shape	End closed tube
Heat up time	10 minutes from ambient to 50°C
Heat up/Cool down time	10 minutes from ambient to 20°C
Control method	Digital PID controller with readout
Temperature sensor	AAA Precision platinum RTD
Power supply	110-220V AC 50Hz, 350WA
Interface	RS232
Dimension	320mm(D) x 195mm(W) x 275mm(H)
Net weight	Approx. 6kg

## SCOPE OF DELIVERY

- BL672S 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: 9000-672)

## ORDERING MODEL NUMBER

- Model BL672S-BD-2500