



PORTABLE BLACK BODY

CALsys 37BB calibration source is a accurate & stable Portable blackbody specially designed for increasing accuracy of thermal imager based human body temperature monitoring.

The emissivity of the target is 0.98(± 0.01). The temperature of the furnace is set and controlled by a self tuned PID controller with automatic super fine adjustment.

Specifications

Temperature Range	:Ambient +5°C to 50°C
Temperature Resolution	:0.01°C for CALsys 37BB-A :0.1°C for CALsys 37BB-B
Stability	: $\pm 0.04^\circ\text{C}$ at 37°C
Accuracy	: $\pm 0.1^\circ\text{C}$ at 37°C
Controlling Sensor	:Precision PRT
Method of Control	:Digital self tuned PID Controller
Emissivity	:0.98 ± 0.01
Time to Reach Max Temp	:10 to 15 Mins
Operating Temperature	:20 to 40°C
Power Requirement	: 110/230 VAC, 100W
Dimensions of cabinet	:110(H) X 110(W) X137(D) mm (Approx)
Cavity	:High Emissivity Painted Aluminum Plate
Aperture	:70 x 70mm
Weight	:3Kg (without packing)

* Temperature range ambient +5°C to 50°C

Key Features

- High Accuracy
- High Stability
- Simple to use and cost effective
- Portability
- It has Tripod/Wall Mounting provision

Standard Accessories

- Operating Manual