

## **Accurate Sensors Technologies**

**CALSYS 37BB** 

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 ne adjustment.



**Temperature Range**: Ambient +5°C to 50°C

**Temp. Resolution** : 0.01°C for CALsys 37BB-A

0.1°C for CALsys 37BB-B

**Stability** :  $\pm 0.04$ °C at 37°C

**Accuracy** : ±0.1°C at 37°C

**Controlling Sensor**: Precision PRT

Method of Control : Digital self tuned PID

Controller

Emissivity :  $0.98 \pm 0.01$ 

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) X

137(D) mm (Approx)

**Cavity** : High Emissivity Painted

**Aluminum Plate** 

**Aperture** : 70 x 70mm

Weight : 3Kg (without packing )



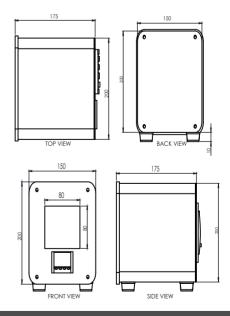
## **KEY FEATURES**

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

## **STANDARD ACCESSORIES**

- Carry Case
- Operational Manual

## **DIMENSIONS**



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