PORTABLE BLACK BODY

CALsys 110BB calibration source is a highly stable standard portable black body furnace for calibrating non contact IR thermometer for the temperature range of 10 to 110°C.

The unique feature of this portable black body furnace is large temperature controlled black body target with a size of 80 mm dia which offer large view area for IR thermometer.

The emissivity of the target is 0.95(±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: 10 to 110°C
- Temperature Resolution: 0.1°C
- Stability: ±0.05°C at 10°C
  ±0.07°C at 60°C
  ±0.1°C at 110°C
- Controlling Sensor: Precision PRT
- Method of Control: Digital self tuned PID Controller
- Emissivity: 0.95 ±0.01
- Time to Reach Max Temp: 25 Mins
- Computer Interface: RS - 232
- Operating Temperature: 20 to 25°C
- Power Requirement: 230 VAC, 0.5 KW
- Dimensions of cabinet: 330(H) X 355(W) X 225(D) mm
- Cavity: High Emissive Painted Aluminum Plate
- Aperture: 80 mm dia
- Weight: 12Kg (without packing)

KEY FEATURES

- Large Aperture Area
- Below Ambient Operating Range (10 to 110°C)
- High Stability
- PC interfacing
- Simple to use and cost effective
- Portability

STANDARD ACCESSORIES

- Carry Case
- Operational Manual

OPTIONAL ACCESSORIES

- Master Pyrometer