

PORTABLE BLACK BODY

GENERAL

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 80x80 mm 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.



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

SPECIFICATIONS

Temperature Range : 10 to 110°C
Temperature Resolution : 0.1°C
Stability : ±0.1°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 : 330(H) X 355(W) X 225(D) mm
Cavity : High Emissive Painted Aluminum Plate
Aperture : 80 x 80 mm
Weight : Approx 10 Kg