

**CALSYS
110BB**



10 to 110°C

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.

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 mm dia
Weight	: Approx 12 Kg