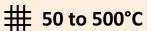


CALsys 500BB



PORTABLE BLACK BODY GENERAL

CALsys 500BB calibration source is a highly stable standard Portable Black Body Furnace for calibrating non contact IR thermometer for the wide temperature range of 50 to 500°C.

The unique feature of this Portable Black Body Furnace is large temperature controlled black body target with a diameter of 100 mm which offer large view area for IR Thermometer

The Emissivity of the target is $0.95(\pm 0.01)$. The temperature of the Calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment.



KEY FEATURES

- ✓ Large Aperture Area
- ✓ Wide Operating Range (50 to 500°C)
- ✓ High Stability
- ✓ PC interfacing
- ✓ Simple to use and cost effective
- ✓ Portability

STANDARD ACCESSORIES

• NABL accredited calibration certificate - 3 point

• **Software** - Cal Soft including for setting bath temperature and monitoring the PV. Graphical representations of PV/TIME with 2 hours data logging.

- Operational Manual
- Carry Case

OPTIONAL ACCESSORIES

Master Pyrometer

SPECIFICATIONS

Temperature Range: 50 to 500°C Temperature Resolution : 0.1°C Stability : ±0.5°C at 50°C ±0.8°C at 250°C ±1.0°C at 500°C **Controlling Sensor** : T/C "N" type Method of Control : Digital self tuned PID Controller **Emissivity**: 0.95 ±0.01 Time to Reach Max Temp: 45 Mins Computer Interface : RS - 232 Operating Temperature : 20 to 45°C Power Requirement: 230 VAC, 1.0 KW Dimensions: 320(H) X 355(W) X 255(D) mm **Target Size** : Dia - 100 mm (Ridged Aluminum Plate) Weight: Approx 10 Kg