



Calsys 500BB Product Details

PORTABLE BLACK BODY

CALSys 500 BB 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 Deg C.

The unique feature of this Portable Black Body Furnace is large temperature controlled black body target with a diameter of 60 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.

Specification

- ▶ Temperature Range : 50 to 500 Deg C
- ▶ Temperature resolution : 0.1 Deg C
- ▶ Stability : ± 1.0 Deg 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 Deg C
- ▶ Power Requirement : 230 VAC, 1.0 KW
- ▶ Dimensions : 270 X 220 X 170 mm
- ▶ Cavity : Anodized Aluminum Plate Dia - 55mm
- ▶ Aperture Dia : 60 mm
- ▶ Weight : Approx 7 Kg

Key Features

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

Standard Accessories

Reference Standard PRTPart No. TPRT-A-300
Carry Case
Operational Manual

Optional Accessories

- ▶ Software for Automated Calibration...Part No. AC-24
- ▶ Master Pyrometer



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