

CALSys
1200 BB

300 to 1200 °C

HIGH STABILITY BLACK BODY FURNACE

General

CALSys 1200 BB calibration source is a highly stable standard Black Body Furnace for calibrating non contact IR thermometer for the wide temperature range of 300 to 1200 Deg C.

The unique feature of this Portable Black Body Furnace is large temperature controlled black body target with a diameter of 56 mm which offer large view area for IR Thermometer.

The Emissivity of the target is 0.99(±0.01).The temperature of the furnace is set and controlled by a self tuned PID controller with automatic super fine adjustment.

KEY FEATURES

- ✓ Wide Operating Range (300 to 1200 Deg C)
- ✓ High Stability
- ✓ PC interfacing
- ✓ Simple to use and cost effective

Standard Accessories

Operational Manual.....

Optional Accessories

Master Pyrometer

Software for Automated Calibration Part No. AC-24

Black Body Cavity.....Part No. EQ3



SPECIFICATIONS

Temperature Range : 300 to 1200 Deg C

Temperature resolution : 1.0 Deg C

Stability : ± 0.5 Deg C

Controlling Sensor : Precision PT/RH-PT T/C

Method of Control : Digital self tuned PID Controller

Time to reach max Temp : 2 Hr

Computer Interface : RS 232

Operating Temperature : 20 to 45 Deg C

Power Requirement : 230 VAC, 2.0 KW

Dimensions : 500(H) x 400(W) x 490(D) mm

Black Body Cavity Aperture: 56 mm, Conical Aperture

Weight : Approx 30 Kg