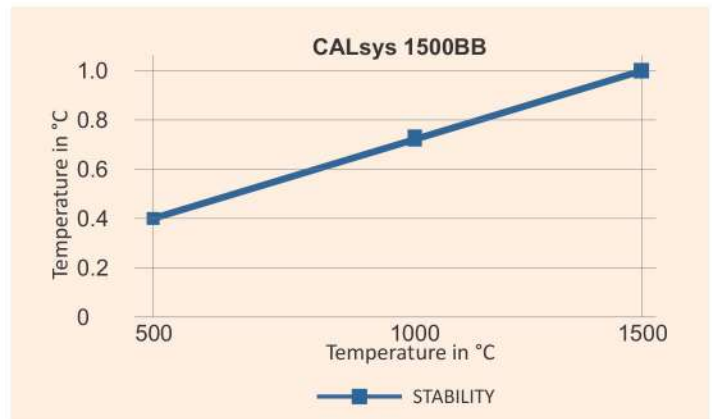


HIGH STABILITY BLACK BODY FURNACE

CALsys 1500BB calibration source is a highly stable standard black body furnace for calibrating non contact IR thermometer for the wide temperature range of 500 to 1500°C.

The unique feature of this black body furnace is large temperature controlled black body target with a diameter of 40 mm and 85 mm depth which offer large view area for IR thermometer.

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



SPECIFICATIONS

Temperature Range : 500 to 1500°C

Temperature Resolution : 1.0°C

Stability : ±0.4°C at 500°C
±0.7°C at 1000°C
±1.0°C at 1500°C

Controlling Sensor : PT-RH/PT T/C

Method of Control : Digital self tuned PID Controller

Heaters : Silicon Carbide Spiral Rod Heater

Time to Reach Max Temp : 2.5 Hrs

Computer Interface : RS - 232

Operating Temperature : 20 to 45°C

Power Requirement : 230 VAC, 3.5 KW

Dimensions of cabinet : 590(H) x 450(W) x 530(D) mm

Radiation Cavity Type : Silicon Carbide,

Dimension of cavity : 46 mm Dia x 85mm depth

External Aperture : 40 mm dia

Weight : 50 Kg (without packing)

KEY FEATURES

- ✓ Use of Silicon Carbide Spiral Rod Heaters
- ✓ Wide Operating Range (500 to 1500°C)
- ✓ High Stability
- ✓ PC interfacing
- ✓ Simple to use and cost effective
- ✓ Sighting tube

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

OPTIONAL ACCESSORIES

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