

## CALSYS 1200BB

**300 to 1200°C**

### HIGH STABILITY BLACK BODY FURNACE

CALsys 1200BB 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°C.

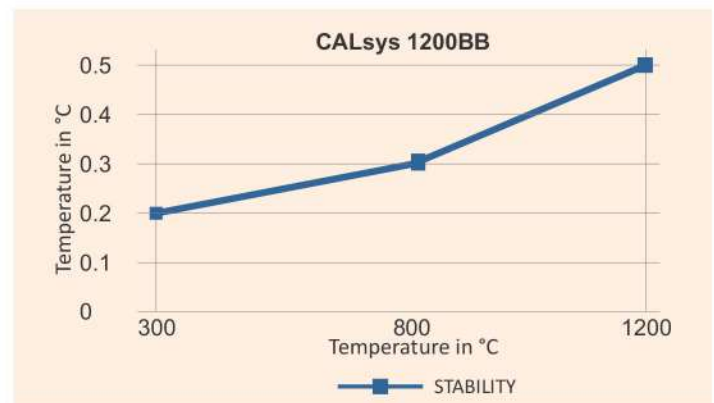
The unique feature of this black body furnace is large temperature controlled black body target with a diameter of 40 mm and 85mm which offer large view area for IR thermometer.

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

<b>Temperature Range</b>	: 300 to 1200°C
<b>Temperature Resolution</b>	: 1.0°C
<b>Stability</b>	: ±0.2°C at 300°C ±0.3°C at 800°C ±0.5°C at 1200°C
<b>Controlling Sensor</b>	: Precision PT/RH-PTT/C
<b>Method of Control</b>	: Digital self tuned PID Controller
<b>Time to Reach Max Temp</b>	: 1.5 Hrs
<b>Computer Interface</b>	: RS-232
<b>Operating Temperature</b>	: 20 to 45°C
<b>Power Requirement</b>	: 230 VAC, 2.5KW
<b>Dimensions of cabinet</b>	: 590(H) x 450(W) x 530(D) mm
<b>Radiation Cavity Type</b>	: Silicon Carbide
<b>Dimension of cavity</b>	: 46 mm Dia x 85mm depth
<b>External Aperture</b>	: 40 mm dia
<b>Weight</b>	: 50 Kg (without packing)



### KEY FEATURES

- ✓ Wide Operating Range (300 to 1200°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

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