High Temperature Black Body Furnace

300°C to 1200°C

Wide Temperature Range

CALsys 1200BB offer a wide temperature range from 300 °C to 1200 °C

Simple to use

The CALsys 1200BB block is ideal for Industrial/Laboratory field use.

Speed

The CALsys1200BB extremely quick to reach various temperatures.

Accuracy and performance

The CALsys 1200BB is an easily portable unit that also provides excellent calibration accuracy with stability ±0.5°C at 1200°C.

Computer Interface

The communication port (USB) enables communication with selected CALsys 1200BB calibrator.

CALsys 1200BB⌗

Temperature Calibrator

CALsys 1200BB offers easy to use blackbody calibrator with high temperature range from 300 to 1200°C. It is a highly stable standard furnace for calibrating pyrometer and non contact sensor. This calibrator can be used on site for high temperature calibration and also find application in pyrometer industry, non contact sensor calibration. the unique feature of this black body furnace is large temperature control black body target with dia of 46mm and 85mm depth which offers large view for IR camera . The temperature of the calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment. Our newly designed CALsys 1200BB model offers better esthetic design and performance wise upgraded to next level. The emissivity of the target is 0.99(±0.01).

CALsys 1200 BB

Temperature range	300 °C to 1200 °C
Stability	±0.2°C at 300°C
	±0.3°C at 800°C
	±0.5°C at 1200°C
Cavity type	Silicon carbide
External Aparture	40mm dia
Cavity Diameter	46 mm (85mm depth)
Emissivity	0.99 (±0.01)
Method of Control	Self tuned PID controller
Heating time	1.5 Hrs
Stablization Time	15 - 20 min.
Resolution	1 °C
Display	LCD, °C or F user-selectable
Size (H x W x D)	590(H) x 450(W) x 530(D) mm
Weight	55Kg
Power requirements	230 VAC or 110 VAC 50/60 Hz 2.5 KW
Computer interface	USB
Calibration	Accredited calibration certificate provided (Optional)
Environmental operating conditions	0 °C to 40 °C

ACCESSORIES

- **Blackbody Cavity for CALsys 1200BB model**

  We use 46mm dia silicon carbide (Radiation cavity type) in CALsys 1200BB.

- **Master Pyrometer (Optional)**

- **Black Body Cavity**

- **Calsoft Software**

- **Operational Manual**

- **NABL accredited calibration certificate (Optional)**

TEMPSENS