TEMPSENS

High Temperature Black Body Furnace

500°C to 1500°C

Wide Temperature Range

CALsys 1500BB offer a wide temperature range from 500 °C to 1500 °C

Simple to use

The CALsys 1500BB block is ideal for Industrial / Laboratory field use.

Speed

The CALsys 1500BB extremely quick to reach various temperatures.

Accuracy and performance

The CALsys 1500BB is an easily portable unit that also provides excellent calibration accuracy with stability ±1.0 °C at 1500 °C.

Computer Interface

The communication port (USB) enables communication with selected CALsys 1500BB calibrator.

CALsys 1500BB⊞

Temperature Calibrator

CALsys 1500BB offers easy to use blackbody calibrator with high temperature range from 500 to 1500°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 controlblack body target of 40mm and 85mm long. The temperature of the calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment. Our newly designed CALsys 1500BB model offers better esthetic design and performance wise upgraded to next level.

CALsys 1500 BB

Temperature range	500 °C to 1500 °C
Stability	±0.2°C at 500°C
	±0.3°C at 1000°C
	±0.5°C at 1500°C
Cavity type	Silicon carbide
External Aparture	40 mm dia
Emissivity	0.99 (±0.01)
Method of Control	Self tuned PID controller
Cavity Diameter	46mm (85 mm depth)
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 3.0 KW
Computer interface	USB
Calibration	Accredited calibration certificate provided (Optional)
Environmental operating conditions	0 °C to 40 °C

ACCESSORIES

- **Blackbody Cavity for CALsys 1500BB model**

  We use 46mm dia silicon carbide (Radiation cavity type) in CALsys 1500BB.

- **Master Pyrometer (Optional)**

- **Black Body Cavity**

- **Calsoft Software**

- **Operational Manual**

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