High Temperature Black Body Furnace

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.It is simple enough to testing and calibration uses.

Speed

The Calsys 1500BB extremely quick to reach various temperatures heats up room temp to +1500 °C in 20mins . This saves time and increases productivity.

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.

Accredited calibration

Each Calsys 1500BB is delivered with an accredited calibration certificate.

Computer Interface

The communication port(RS-232) enables communication with selected Calsys 1500BB calibrators for automation calibration and documentation thus it made documentation easy.

Calsys 1500BB ⊞

Highly accurate temperature Calibrator for industrial / Laboratory field use

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.
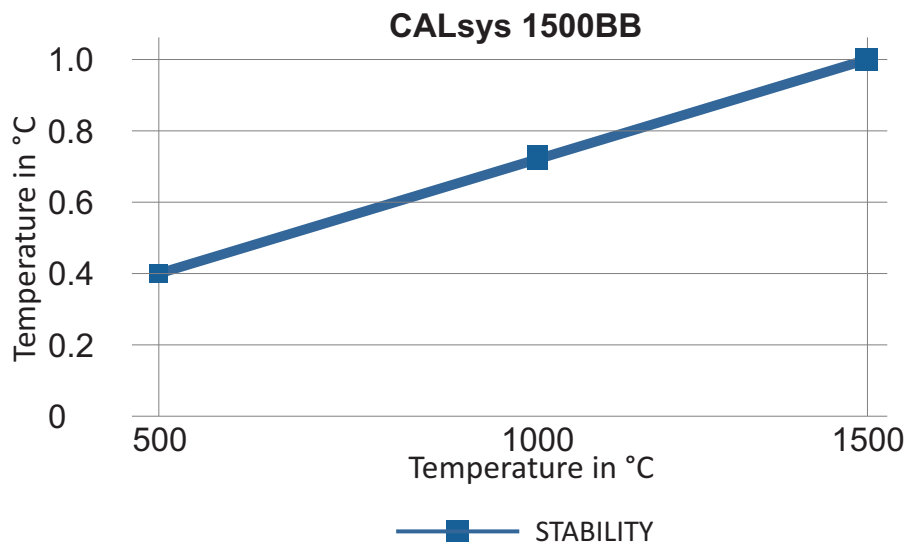
With the Tempsens make Temperature Calibrator, you have chosen an extremely effective instrument which we hope will live up to all your expectations. This is a fast, timesaving, and reliable true industrial temperature calibrator designed for on-site use.

During the past several years, we have acquired extensive knowledge of industrial temperature calibration. This expertise is reflected in our products which are all designed for daily use in an industrial environment.

SPECIFICATIONS

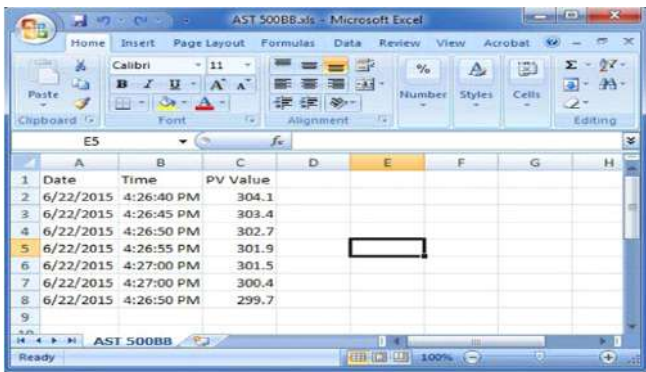|	
Temperature range	500 °C to 1500 °C
Accuracy	±3 °C
Stability	±0.2°C at 500°C
	±0.3°C at 1000°C
	±0.5°C at 1500°C
Cavity type	Silicon carbide
External Aparture	40 mm dia
Method of Control	Self tunned PID controller
Cavity Diameter	46mm (85 mm depth)
Heating time	2.5 Hrs
Resolution	1 °C
Display	LCD, °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, 3.0 KW(50 Hz)
Computer interface	RS - 232
Calibration	Accredited calibration certificate provided
Environmental operating conditions	0 °C to 40 °C, 0 % to 90 % RH (non-condensing)
Specifications valid in environmental conditions	13 °C ... 33 °C

STABILITY OF CALSYS 1500 BB

CALsys 1500BB

Blackbody Cavity for CALsys 1500BB models

We use 46mm dia silicon carbide (Radiation cavity type) in CALsys 1500BB. We also offer customized access opening based on Customer requirements.
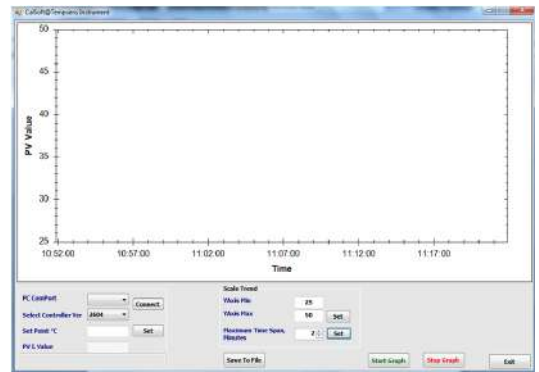

Silicon Carbide Cavity.

SOFTWARE

- CalSoft including for setting bath temperature and monitoring the PV. Graphical representations of PV/TIME with 2 hours data logging.

MASTER SENSOR (OPTIONAL)

- Master Pyrometer

- Black Body Cavity…………Part No. Eq3
- NABL accredited calibration certificate - 3 point
- Operational Manual

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www.onetemp.com.au