CAL FAST BB

-High Accuracy

-Wide Temperature Range

-Highly Stable Temperature Calibrator for Industrial Field Uses

TEMPSENS

Black Body Calibrators

Wide Temperature Range

CAL FAST 400 BB offer a wide temperature range from 40 °C to 400 °C

Lightweight & portable

The CAL FAST 400 BB block is ideal for Industrial/ Laboratory field use. It only weights about 2 kg, and it is small enough to carry around.

Speed

The CAL FAST 400 BB extremely quick to reach various temperatures, i.e. it cools down to 150 °C in 30 minutes and heats up from room temperature to 400°C in 12 minutes. This saves time and increases productivity.

Accuracy and performance

The CAL FAST 400 BB is an easily portable unit that also provides excellent calibration accuracy with stability ±0.1°C (15 min)

Accredited calibration

Each CAL FAST 400 BB is delivered with an accredited calibration certificate.

Computer Interface

The communication port (RS-232) enables communication with selected CAL FAST 400 BB calibrators for automation calibration and documentation thus it made documentation easy.

CAL FAST 400 BB ⊞

Portable, Light weight, Black Body Temperature Calibrator for Industrial/ Laboratory Field Use

CAL FAST 400 BB offers medium temperature range from 50 to 400°C. It is a highly stable standered black body calibrator for calibrating non-contact type sensor like Pyrometer/IR Thermometers. The temperature of the calibrators is set and controlled by a self tuned PID controller with autometic super fine adjustment. in the double display the actual and set temperature values are soon. The BB cavity diameter is 50 mm with emissivity 0.97
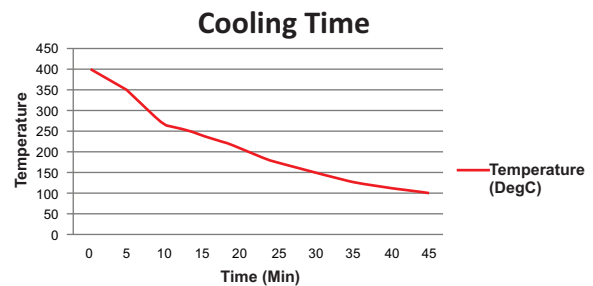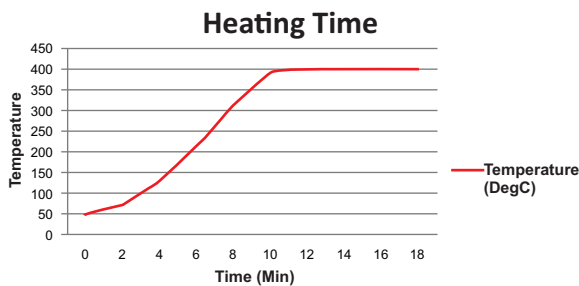
With the Tempsens make Compact Temperature Calibrator, you have chosen an extremely effective instrument which we hope will live up to all your expectations. This is a fast, timesaving, and reliable true industrial temperature calibrator designed for on-site use.

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.
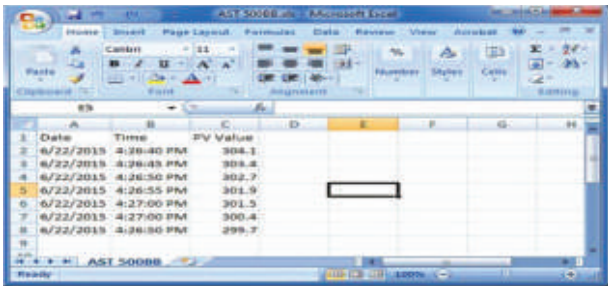
SPECIFICATIONS

Temperature range	40°C to 400°C (Extended range up to 450°C)
Temperature Resolution	0.1°C
Stability (15 min)	±0.1°C
Time to Reach Max. Temperature	12 Mins
Controlling Sensor	N type Thermocouple
Method of Control	Digital self tuned PID Controller
BB Cavity Aperture	50 mm
BB Cavity Emissivity	0.97 (±0.02)
Computer Interface	RS - 232 (Optional)
Operating Temperature	20 to 45°C
Power Requirement	230 VAC, 500 W
Dimensions	120(H) x 200(W) x180(D) mm
Instrument Weight	2 Kg

Heating Time

Cooling Time

ACCESSORIES

SOFTWARE (OPTIONAL)

- 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

- NABL accredited calibration certificate - 3 points (Optional)
- Operational Manual