

Dual Black Body Temperature Calibrator



- High Stability
- High Uniformity
- Highly Stable Temperature Calibrator for Industrial Field Uses

Dual Dry Block Calibrator

Wide Temperature Range

Calsys -25/650 offer a wide temperature range from -25 °C to 650 °C

Lightweight, portable

The Calsys -25/650 block is ideal for Industrial/ Laboratory field use. It only weights about 20 kg, and it is small enough to carry around

Speed

The Calsys -25/650 extremely quick to reach various temperatures, i.e. it Heats down to -25 °C in 30 minutes and heats up room temp to +650 °C in 30 minutes. This saves time and increases productivity

Accuracy and performance

The Calsys -25/650 is an easily portable unit that also provides excellent calibration accuracy with stability ± 0.02 °C for lower temperature and ± 0.03 °C for higher temperature.

Accredited calibration

Each Calsys -25/650 is delivered with an accredited calibration certificate.

Computer Interface

The communication port(RS-232/USB) enables communication with selected Calsys -25/650 calibrators for automation calibration and documentation thus it made documentation easy.

Calsys -25/650

Portable, Lightweight, highly accurate Dual Dry Block Calibrator for Industrial/ Laboratory field use



Calsys -25/650 offers easy to use portable dual block temperature calibrator with temperature range from -25 to 650°C. It is a highly stable standard furnace for calibrating RTD. This calibrator can be used on site for high temperature calibration and also find application in aerospace, oil gas petrochemical, pharmaceutical industry, electric power, automotive and material process industry. The comparison volume is a metallic block of special material, which has a diameter of 37mm and 160mm long. Dual dry block temperature furnace based on thermoelectric cooling circuitry for low temperature and heater for high temperature. This model provides special design with dual dry block isothermal enclosure which can calibrator and covers the temperature range lower to higher -25 °C to 650 °C. Temperature of the calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment. Our newly designed Calsys -25/650 model offers better esthetic design and performance wise upgraded to next level.

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

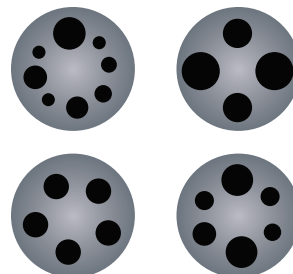
Parameter	Low Temperature Block	High Temperature Block
Temperature range at 25°C	-25 °C to 140 °C	Ambient to 650 °C
Stability	±0.02°C	±0.03°C Upto 100°C ±0.05°C above 100°C
Immersion depth	160 mm	
Insert OD dimensions	6 holes having Diameter of 4.5 to 9.5 mm	
Method of Control	Self tuned PID controller	
Heating time	30 Min	30 Min
Cooling time	15 Min	90 Min
Resolution	0.01°C	
Display	LCD, °C or °F user-selectable	
Size (H x W x D)	383(H) x 461(W) x 316(D) mm	
Weight	20Kg	
Power requirements	230 VAC, 500 W(50 Hz)	
Computer interface	RS - 232	
Calibration	Accredited calibration certificate provided	
Environmental operating conditions	5 °C to 25 °C, 0 % to 90 % RH (non-condensing)	
Specifications valid in environmental conditions	5°C ... 25°C	

ACCESSORIES

Inserts for Calsys -25/650 models

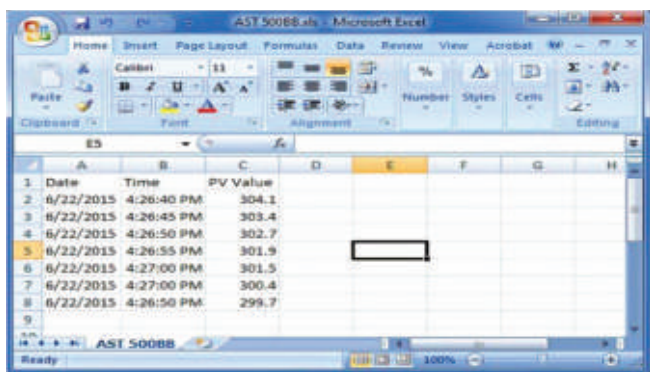
Inserts for Calsys -25/650 are made of aluminum for low temperature and brass for high temperature. All specifications on hole size based on outer diameter of the sensor under test. We also offer customized hole size based on Customer requirements.

Inserts	Description
Ci1	Multihole, 4 x 6.5 mm
Ci2	Special (Customized)



Customized Equalizing Block....Part No. EQ1

SOFTWARE



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

MASTER SENSOR

- Reference Standard RTD Part no. TPRT- A- 300.



- NABL accredited calibration certificate - 3 point
- Operational Manual

- Reference Standard Thermocouple ('N' Type T/C) Part no. TTCN- 300.

