TEMPSENS

CALsys 1200 3Z

High Temperature Calibrator Dry Block Furnace for Industrial/ Laboratory Field Use

Dry Block Calibrators

Wide Temperature Range

CALsys 1200 3Z offer a wide temperature range from300 °C to 1200 °C

Lightweight, portable

The CALsys 1200 3Z block is ideal for Industrial/ Laboratory field use. It only weights about 50 kg, and it is small enough to carry around.

Accuracy and performance

The CALsys 1200 3Z is an easily portable unit that also provides excellent calibration accuracy with stability ± 0.04°C at 650 °C.

Accredited calibration

Each CALsys 1200 3Z is delivered with an accredited calibration certificate.

Computer Interface

The communication port(RS-232/ USB) enables communication with selected CALsys 1200 3Z calibrators for automation calibration and documentation thus it made documentation easy.

CALsys 1200 3Z calibration source is a highly stable standard furnace for calibrating thermocouples in the laboratory. The temperature of each zone of the furnace is set and controlled by a self tuned PID controller(master + Slave) with automatic super fine adjustment. The standard insert is a metallic block of special material, which is 37mm in diameter with 240 mm long and can hold up to four thermocouples. It has been designed for high temperature range calibration and find application in the glass, electrical power, automotive, material processing industries & laboratories.

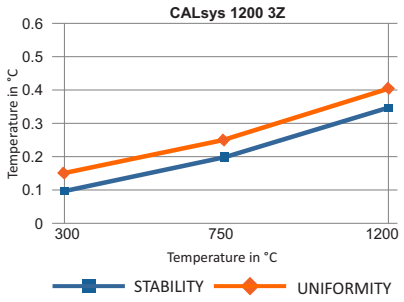
With the Tempsens make Compact Temperature Calibrator, you have chosen an extremely effective instrument which we hope will live up to all your expectations. This is a fast, timesaving, and reliable true industrial temperature calibrator designed for on-site use.

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	300 to 1200°C
Temperature Resolution	1.0°C
Stability	±0.1°C at 300°C
	±0.2°C at 750° C
	±0.35°C at 1200°C
Radial Uniformity	±0.15°C at 300°C
	±0.25°C at 750° C
	±0.40°C at 1200°C
Axial Uniformity	1.0°C up to 80mm at 1200°C
Time to reach max. temperature	1.5 hrs
Controlling Sensor	Precision PT/RH-PT T/C
No. of Zone	Three
Method of Control	Digital self tuned PID Controller
Insert Construction	Dia 37 x 240 mm long (2X6 mm & 2X8 mm holes) of 160mm insertion depth
Computer Interface	RS - 232
Operating Temperature	20 to 45°C
Power Requirement	230 VAC, 2.0 KW
Dimensions	500(H) x 400(W) x 490(D) mm
Weight	50Kg (without packing)

STABILITY / UNIFORMITY



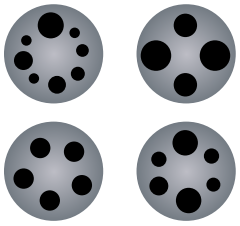
ACCESSORIES

STANDARD ACCESSORIES

- Reference Standard Thermocouple ('N' Type T/C).....Part No. TTCN-300
- NABL accredited calibration certificate - 3 point
- Software - Cal Soft including for setting bath temperature and monitoring the PV. Graphical representations of PV/TIME with 2 hours data logging.
- Operational Manual

OPTIONAL ACCESSORIES

- Customized Equalizing Block....Part No. EQ1



Customized Equalizing Block....Part No. EQ1

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