

**CALsys
1200 3Z**



300 to 1200°C

HIGH STABILITY BLOCK FURNACE GENERAL

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.

KEY FEATURES

- ✓ Large Immersion Depths
- ✓ Wide Operating Range (300 to 1200°C)
- ✓ High Stability
- ✓ PC interfacing
- ✓ Simple to use and cost effective

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



SPECIFICATIONS

Temperature Range : 300 to 1200°C

Temperature Resolution : 1.0°C

Stability : ±0.1°C at 300°C

±0.2°C at 700°C

±0.35°C at 1200°C

Radial Uniformity : ±0.35 at 1200°C

Axial Uniformity : ±1.0°C up to 80mm at 1200°C

Controlling Sensor : Precision PT/RH-PTT/C

No. of Zone : Three

Method of Control : Digital self tuned PID Controller

Insert Construction : Dia 37 x 240 mm long (2X6mm & 2X8 mm holes) of 160mm insertion depth

Time to Reach Max Temp : 1.5 Hrs

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 : Approx 50 Kg



Optional Block

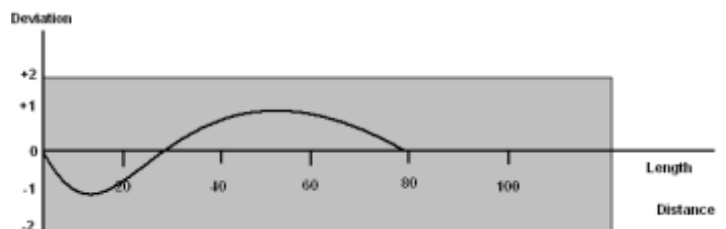


Fig. Typical gradient of TEMPSSENS 3 ZONE CALsys 3Z