

**CALsys  
1200**



**250 to 1200°C**

## PORTABLE THERMOCOUPLE CALIBRATOR GENERAL

CALsys 1200 offers high temperature range from 250 to 1200°C. It is a highly stable standard furnace for calibrating Thermocouples / RTD . It has been designed for high temperature range calibration and find application in the glass, electrical power, automotive & material processing industries.

The comparison volume is a metallic block of special material, which is 37 mm in diameter with 215 mm long.

The temperature of the calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment.

Version with 3 zone furnace is also available.

## KEY FEATURES

- ✓ Large Immersion Depths
- ✓ Wide Operating Range (250 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
- Carry Case

## OPTIONAL ACCESSORIES

Customized Equalizing Block....Part No. EQ2



## SPECIFICATIONS

**Temperature Range :** 250 to 1200°C

**Temperature Resolution :** 1.0°C

**Stability :** ±0.1°C at 250°C  
±0.2°C at 700°C  
±0.4°C at 1200°C

**Uniformity :** ±0.20°C at 250°C  
±0.24°C at 700°C  
±0.26°C at 1200°C

**Controlling Sensor :** PT/RH-PT T/C

**Method of Control :** Digital self tuned PID Controller

**Insert Construction :** Dia 37 x 215 mm long (2X6mm & 2X8 mm holes) of 160mm insertion depth

**Time to Reach Max Temp :** 1.5 Hrs

**Cooling Time 1200°C to 250°C :** 180 Mins

**Computer Interface :** RS - 232

**Operating Temperature :** 20 to 45°C

**Power Requirement :** 230 VAC, 1.5 KW

**Dimensions :** 405(H) x 205(W) x 285(D) mm

**Weight :** Approx 14 Kg



Carrying Case



Interchangeable Inserts  
(as per requirement)