

## Temperature

# High Temperature Dry Block Calibrator

## Semi-Portable Model

*Ideal for Steel, Glass, Metallurgical Industries, Cement Plants, Refineries, Fertilizer Plants, Thermal Power Stations etc.*

*Stable High Temperature Source (1200°C) for Calibration of Multiple (upto 6) Sensors at High Temperature*

### Models

#### CTC-1200

- Range : 300°C to 1200°C
- Accuracy : Better than  $\pm 3^{\circ}\text{C}$  \*
- Cost effective High Temperature Source (Max. : 1200°C)
- Multihole / Interchangeable (Thermowell) Inserts to suit
- High Stability & Accuracy
- Auto-tune PID Control
- Forced Air Cooling provision
- RS-232 Computer Interface
- "Caltemp" Calibration Software - Optional



\* Improved Accuracies achieved thro' Comparison Techniques

**Specifications****CTC-1200****Range**

300°C to 1200°C

**Resolution**

1°C

**Accuracy**Better than  $\pm 3^\circ\text{C}$ **Stability**Better than  $\pm 0.5^\circ\text{C}$  (below 600°C)**Stabilisation Time**

20 Minutes (above 500°C)

**Temperature Readout**

°C / °F Switchable

**Well Diameter**

45 mm

**Immersion Depth**

150 mm

**Heating Time (to max)**

90 Minutes

**Cooling Time**

45 Minutes

**Multihole Thermowells**

4 x 7 mm + 3 x 9 mm or to suit

**Switch Test facility / Supply**

Provided / 5 VDC (open)

**Power Supply / Consumption**

230V AC / 50 Hz / 1800 W

**Temperature Control**

Auto-tune PID Control

**Forced Air Cooling \*\***

Provision available

**Transmitter Power Supply**

24V DC

**Instrument Dimensions (W x D x H)**

205 x 365 x 480 mm

**Instrument Weight**

16 Kgs.

**STANDARD DELIVERY**

- Basic Instrument
- Cable for Thermostat Switch Test
- Mains Cable
- Insertion Tube - Multihole
- Tool for Insertion Tube
- Spare Fuses
- 1/4" BSP (F) Hose Adaptor with 6 mm Hose (1.5 Meter Length)
- RS-232 Computer Interface
- Traceable Calibration Certificate
- Instruction Manual

**OPTIONALS**

- "Caltemp" Calibration Software
- 115V AC / 60 Hz Model
- Calibration Certificate from NABL Accredited – as per ISO/IEC 17025:2005 Laboratory

\*\* Dry Compressed Air required (@ 7 Bar).

Consult us for **Special Heavy Duty Model** with Dry Block 70 mm Dia & Immersion Depth 250 mm to accommodate Multiple Inserts at a time & an Interchangeable Thermowell.

Ideal for calibration of longer & bulky Temperature Probes / Assemblies – consult us with specific requirement.

**PRISMA**  
Instruments  
& Gauge Bourdon France

