



# Dry Block Temperature Calibrator



## 1200TS (i)

### WITH MEASUREMENT FACILITIES

Input Types	Range
Thermocouple	J -50 to 1200°C
	K -50 to 1372°C
	R -50 to 1768°C
	S -50 to 1768°C
	N -50 to 1300°C
	B 0 to 1820°C
	L -50 to 900°C
	T -50 to 400°C
RTD	Pt 100 (-200 to 850)

Accuracy of measurement:  $\pm 0.05\%$  of reading  $\pm 2$  LSD

### Application

Ideal for calibration of thermocouples, RTD, gauges, thermometers, switches, transmitters, etc.

### Features

- Fast Heating and stable dry block calibrator
- Controlled through PID Controller

### Technical Specification

Range	: 150°C to 1200°C
Resolution	: 0.1°C upto 999.9°C & 1°C above 999.9°C
Accuracy	: $\pm 2^\circ\text{C}$
Units	: °C / °F / °K / Perc (Switchable)
Stability	: $\pm 0.2^\circ\text{C}$ for 150°C & $\pm 0.4^\circ\text{C}$ for 1200°C
Stabilization time	: 15 mins
Display	: LED
Switch test	: Provided for 1200TS (i) model
Well Diameter	: 33 mm
Immersion Depth	: 130 mm
Heating time	: 60 to 75 mins
Cooling Time (to 300°C)	: 120 to 150 mins
Voltage	: 230VAC
Supply Frequency	: 50 Hz
Display	: LED
Insert Options	: Special drilling available on customer requirements
Dimensions (not including handle)	: Height: 305mm Width: 175mm Depth: 260mm
Weight	: 10Kg

### Standard Delivery

1. Instrument : 1 no.
2. Power Cable : 1 no.
3. Test Lead (2 wire) : 1 no.
4. Multi Hole Insertion Tube : 2x8 mm + 2x6.5 mm,  $\varnothing 33 \times 80$  mm deep (Please consult us for other sizes)
5. Insertion Tool : 1 no.
6. Spare Fuses : 10A - 2 nos.
7. Insulator
8. User Manual : 1 no.
9. Traceable Calibration Certificate

### Optional

- Custom Built Insertion Tube
- Accredited (NABL) Calibration Certificate as per ISO/IEC 17025 Standard

Manufacturer of  
**TEST BENCHES  
CALIBRATION INSTRUMENTS**

**ISO 9001  
Certified Company**

[www.rndinstruments.com](http://www.rndinstruments.com)

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**ACCREDITED CALIBRATION LABORATORY**

As per ISO / IEC 17025

**THERMAL  
MECHANICAL  
ELECTROTECHNICAL**

[www.calibrationlab.in](http://www.calibrationlab.in)