



# Dry Block Temperature Calibrator

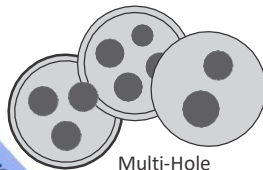
## TH Series

### Application

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

### Features

Dry Block. Fast Heating & Cooling. Controlled through PID Controller. Good Stability. Facility to check Temperature Switch Test



Multi-Hole  
Insertion Tube



\*This image is for marketing purposes; the actual instrument may vary slightly\*

### TECHNICAL SPECIFICATION

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Model	650 TH & 650 THi	
Range at 23°C	35 to 650°C	
Resolution	0.1°C	
Display Accuracy	<b>@ 50°C</b>	<b>@650°C</b>
	±0.2°C	±0.4°C
Bath Stability	±0.03°C	±0.05°C
Stabilisation Time	20 Minutes	
Radial Uniformity	<b>@ 50°C</b>	<b>@650°C</b>
	±0.02°C	±0.04°C
Axial Uniformity at 40mm	±0.05°C	±0.5°C
Heating Time	<b>50 to 650°C</b>	
	20 Minutes	
Cooling Time	<b>650 to 100°C</b>	
	35 Minutes	
Units	°C/°F Switchable	
Operating Conditions	0 to 50°C, 0 to 90% RH (non-condensing)	
Environmental Conditions	18 to 28°C	
Display	LCD	
Power Supply	230V AC ± 5% / 50Hz, 1800 W	
Insert Diameter	25.3 mm	
Insertion Tube Depth	150 mm	
Instrument Dimension	175 X 305 X 260 (WHD) in mm	
Instrument Weight	10 Kgs.	

### MEASUREMENT FACILITIES WITH 650 TH(i)

TYPE	RANGE	ACCURACY
Thermocouple J	-100 to 660°C	0.05% of rdg + 2 LSD
K	-60 to 660°C	
R	150 to 660°C	
S	170 to 660°C	
N	0 to 660°C	
B	0 to 660°C	
L	-50 to 660°C	
T	-50 to 400°C	
RTD Pt 100	0 to 660°C	±0.3°C

Resolution: 4 dgt: 0.1°C for Pt 100 & 0.1/1°C for TC  
Types

\*Note: switch test applicable only (i) models

### Standard Delivery

- Instrument : 1 no.
- Power Cable : 1 no.
- Carrying Case : 1 no.
- Insertion Tube: Multi Hole (1 x 4.5, 1 X 6.5, 1 X 12.5) - 1 no.
- Insertion Tube : 1 no.
- Spare Fuses : 8A - 2 nos.
- User Manual : 1 no.
- Traceable Calibration Certificate

### Optional

- Insertion Tube: Multi Hole (1 x 8.2, 1 X 6.5, 1 X 4.5) - 1 no.
- 110 VAC Power Supply
- Accredited (NABL) Calibration Certificate as per ISO/IEC 17025 Standard

Manufacturer of  
**TEST BENCHES  
CALIBRATION INSTRUMENTS**

**ISO 9001  
Certified Company**

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### Contact

### ACCREDITED CALIBRATION LABORATORY

As per ISO / IEC 17025

**THERMAL  
MECHANICAL  
ELECTROTECHNICAL**

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