



Dry Block Temperature Calibrator

T 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 . Power Supply for Transmitters . Facility to check Temperature Switch Test

TECHNICAL SPECIFICATION

Model	Range	Accuracy	Bath Stability	Stabilisation Time	Heating Time	Cooling Time
350 T	50 to 350°C	±0.7°C	±0.2°C	15 Min.	50 to 350°C	350 to 100°C
					18 to 20 Min.	35 to 40 Min.
650 T	50 to 650°C	±1.3°C	±0.3°C	15 Min.	50 to 650°C	650 to 100°C
					30 to 35 Min.	55 to 60 Min.
350 DT	50 to 350°C	±1.0°C	±0.4°C	18 Min.	50 to 350°C	350 to 100°C
					25 to 30 Min.	55 to 60 Min.
650 DT	50 to 650°C	±1.6°C	±0.5°C	20 Min.	50 to 650°C	650 to 100°C
					35 to 40 Min.	115 to 120 Min.
350 T SPL	50 to 350°C	±0.7°C	±0.2°C	20 Min.	50 to 350°C	350 to 100°C
					30 to 35 Min.	55 to 60 Min.
650 T SPL	50 to 650°C	±1.3°C	±0.3°C	20 Min.	50 to 650°C	650 to 100°C
					40 to 45 Min.	65 to 70 Min.

BLOCK DIMENSION

Model	350 T	650 T	350 DT	650 DT	350 T SPL	650 T SPL
Block Diameter	25.4 mm	25.4 mm	25.4 mm	25.4 mm	36.0 mm	36.0 mm
Block Depth	120 mm	120 mm	190 mm	190 mm	120 mm	120 mm
Insertion Tube Depth	110 mm	110 mm	180 mm	180 mm	110 mm	110 mm

PHYSICAL DIMENSION AND WEIGHT

Model	350 T	650 T	350 DT	650 DT	350 T SPL	650 T SPL
Instrument Dimension WxHxD in mm	155x240 x350	155x240 x350	155x300 x350	155x300 x350	155x240 x350	155x240 x350
Instrument Weight in Kgs.	6.5	8	9	11.5	7	9.5

Resolution **0.1°C**

Units **°C / °F Switchable**

Display **LED Green**

Power Supply **230V AC ± 5% / 50Hz, 1.2 KW for 650T & 500 W for 350T**

Transmitter Supply **Between 12 to 24V DC**

Radial Uniformity **±0.3°C with similar probes**

Switch Test **5V DC nominal through LED Indication**

Safety protection **Thermal Cutout**

Standard Delivery

- Instrument : 1 no.
- Power Cable : 1 no.
- Carrying Case : 1 no.
- Test Lead (2 wire) : 1 no.
- Insertion Tube :
Dual Hole - 1 x 1/4" + 1 x 12.5 mm,
Dual Hole - 1 x 1/4" + 1 x 8.2 mm,
or (2 x 1/4" + 1 x 8 mm + 1 x 1/2"
multi hole for SPL model)
- Insertion Tool : 1 no.
- Spare Fuses : 6A, 10A, 500mA
- 2 nos. each
- User Manual : 1 no.
- Traceable Calibration Certificate

Optional

- Multi hole of size:
1 x 1/4" + 1 x 10 mm
2 x 1/4" + 2 x 5 mm
- For T Spl - Multi hole insertion tube of size:
1/4" x 7 nos. of holes
1 x 20 mm + 1 x 8 mm
+ 1 x 7 mm
- 110 VAC Power Supply
- Accredited (NABL) Calibration Certificate as per ISO/IEC 17025:2005 Standard

The Information given in this document is subject to change due to continuous improvement without notice.
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Manufacturer of
**TEST BENCHES
CALIBRATION INSTRUMENTS**

**ISO 9001:2008
Certified Company**

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ACCREDITED CALIBRATION LABORATORY

As per ISO / IEC 17025

**THERMAL
MECHANICAL
ELECTROTECHNICAL**

www.calibrationlab.in