



Dry Block Temperature Calibrator

ATC Series

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



Application

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

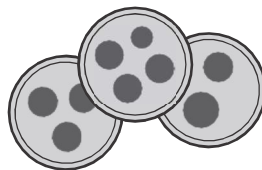
Features

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

Leather Carrying Bag



Multi-Hole Insertion Tube



Instrument with Indicator



TECHNICAL SPECIFICATION

Model	Range	Accuracy	Bath Stability	Block Diameter	Heating Time	Cooling Time
400 ATC	50 to 400°C	±0.4°C	±0.05°C	25.4 mm	50 to 400°C	400 to 100°C
400 ATC (i)					18 to 20 Min.	35 to 40 Min.
650 ATC	50 to 650°C	±0.3°C@ 50°C	±0.05°C	25.4 mm	50 to 650°C	650 to 100°C
650 ATC (i)		±0.6°C@ 650°C			30 to 35 Min.	55 to 60 Min.
400 ATC L	50 to 400°C	±0.4°C	±0.1°C	36.0 mm	50 to 400°C	400 to 100°C
400 ATC L (i)					30 to 35 Min.	55 to 60 Min.
650 ATC L	50 to 650°C	±0.3°C@ 50°C	±0.1°C	36.0 mm	50 to 650°C	650 to 100°C
650 ATC L (i)		±0.6°C@ 650°C			40 to 45 Min.	65 to 70 Min.

MEASUREMENT FACILITIES FOR 'i' MODELS

TYPE	RANGE	ACCURACY
RTD - Pt 100	-200 to 850°C	± 0.05% of rdg. ± 1 LSD
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 660°C		

Manufacturer of
**TEST BENCHES
CALIBRATION INSTRUMENTS**

**ISO 9001
Certified Company**

www.rndinstruments.com

Contact

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ACCREDITED CALIBRATION LABORATORY

As per ISO / IEC 17025

**THERMAL
MECHANICAL
ELECTROTECHNICAL**

www.calibrationlab.in

Resolution	: 0.1°C
Block Depth	: 120 mm
Insertion Tube Depth	: 110 mm
Stabilization Time	: 20 minutes
Dimension (WxHxD)	: 155x240x400 mm
Weight	: 8.5 Kgs approx.
Units	: °C / °F Switchable
Display	: LED Green
Power Supply	: 230V AC ± 5% / 50Hz, 1.2 KW for 650 ATC & 500 W for 400 ATC
Transmitter Supply	: Between 12 to 24VDC
Radial Uniformity	: ±0.3°C with similar probes
Switch Test	: 5V DC nominal through LED Indication

STANDARD DELIVERY

1. Instrument: 1no.
2. Power Cable: 1no.
3. Leather Carrying Bag: 1no.
4. Test Lead (2 wire): 1no.
5. Insertion Tube: Dual Hole - 1 x 1/4" + 1 x 12.5 mm: 1 no.or [2x1/4" + 1x8mm + 1x1/2" – 1 no. multi hole for ' L ' Models]
6. Insertion Tool: 1 no.
7. Spare Fuses : 6A,500mA - 2 nos. each
8. User Manual: 1no.
9. Traceable Calibration Certificate

OPTIONAL

- Multi hole of size: 1 x 1/4" + 1 x 10 mm 2 x 1/4" + 2 x 5mm
- 110 VAC Power Supply
- Accredited (NABL) Calibration Certificate as per ISO/IEC17025 Standard

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