

Temperature

Compact / Portable / Bench-top
High Temperature

NEW

Nagman
Universal Dry Block
High Temperature Calibrator

Precision Dry Block Calibrator
with Interchangeable Thermowells

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

High Accuracy, Resolution & Stability with
Measurement Capability for mV / V / mA,
Resistance TC (ISA Types : J, K, R, S, N),
RTD (Pt100 : IEC Standard) Signals

Model

MTC 1200

- Range : 300°C to 1200°C
- Accuracy : ±2°C
- Advanced – Micro-controller based Technology
- Heavy Duty Portable / Bench-top Model
- High Accuracy, Resolution & Stability
- 128 x 64 Graphic Display
- Measurement Capability for TC, RTD, mV / mA / V & Resistance Signals
- Switch Test Contact Measurement
- Touch Membrane Keypad
- Interchangeable Thermowell Insert
- RS-232 Interface & Calibration Software



Specifications

MTC 1200

Range	300°C to 1200°C		
Resolution	1°C		
Accuracy	±2°C		
Stability	±0.5°C		
Stabilisation Time	15 Minutes		
Temperature Readout	°C / °F Switchable		
Well Diameter	26 mm		
Immersion Depth	105 mm		
Dry Block Material	Inconel		
Heating Time (Ambient to max.)	60 Minutes approx.		
Cooling Time (to min.)	45 Minutes approx. (with Forced Air Cooling) **		
Switch Test facility	Provided		
Thermowell Dia	8 mm		
Housing / Mounting	Bench-top		
Power Supply / Consumption	230V AC, 50 Hz / 115V AC, 60 Hz - 700 W - Selectable		
Instrument Dimensions (L x D x H)	160 x 365 x 450 mm		
Instrument Weight (approx.)	15 Kg.		
Measurement Capability	Thermocouples ISA Types J, K, R, S, N mA 0 to 25 mA Volt 0 to 10 V	RTD mV 0 to 100 / 1000 mV Resistance 0 to 500Ω / 3.5 KΩ	Pt100 IEC Std. 0 to 100 / 1000 mV 0 to 500Ω / 3.5 KΩ

** Dry Compressed Air required (@ 7 Bar)

Measurement : Range, Resolution & Accuracy

Type	Range	Resolution	Accuracy
mV (Low)	0 to 100	0.01	±0.05% F.S.
mV (High)	0 to 1000	0.1	
Volts	0 to 10	0.001	
mA	0 to 25	0.001	
Ohms	0 to 500	0.01	
KOhms	0 to 3.5	0.0001	
TC Type J	-100 to 1200	0.1	±0.1% F.S.
TC Type K	-60 to 1260		
TC Type R	150 to 1700		
TC Type S	170 to 1700		
TC Type N	0 to 1300		
RTD Pt100	-100 to 800		±0.05% F.S.

STANDARD DELIVERY

- Basic Instrument
- Test Leads
- Mains Cable
- Thermowell of 8 mm Dia
- Tool for Insertion Tubes
- Spare Fuses
- 1/4" BSP (F) Hose Adaptor with 6 mm Hose (1.5 Meter Length)
- RS-232 Computer Interface
- "MTCCal" Calibration Software
- Traceable Calibration Certificate
- Instruction Manual
- Carrying Case

OPTIONALS

- Additional Thermowells / Insertion Tubes : Single hole
- Calibration Certificate from NABL Accredited – as per ISO/IEC 17025:2005 Laboratory

Manufactured by

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