

Temperature

Nagman
Universal Dry Block
Medium Temperature Calibrator

Portable / Bench-top
Precision Dry Block Calibrator
with Interchangeable Thermowells

Ideal for quick / fast Site Calibration of RTDs / TCs / Bi-Metal Thermometers, Temperature Switches / Indicators etc. in Industrial & Marine Applications

*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 650

- Range : 50°C to 650°C
- Accuracy : ±0.6°C
- Advanced – Microprocessor 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
- Touch Membrane Keypad
- Switch Test Contact Measurement
- Interchangeable Thermowell Inserts, Single / Multihole
- RS-232 Interface & Calibration Software



Specifications

MTC 650

Range	50°C to 650°C	
Resolution	0.1°C	
Accuracy	±0.6°C	
Stability	±0.05°C	
Stabilisation Time	15 to 20 Minutes	
Temperature Readout	°C / °F Switchable	
Well Diameter	25 mm	
Immersion Depth	110 mm	
Heating Time (Ambient to max.)	20 Minutes	
Cooling Time (to 100°C)	33 Minutes	
Switch Test facility / Supply	Provided / 5 V DC (open)	
Interchangeable Thermowells	Single hole to suit 1/4" & 1/2" Probes. Other Sizes / Multihole available as optional	
Housing / Mounting	Bench-top	
Power Supply / Consumption	230V AC / 50 Hz / 1200 W	
Instrument Dimensions (L x D x H)	160 x 365 x 350 mm	
Instrument Weight	11 Kg.	
Measurement Capability	Thermocouples : ISA Types J, K, R, S, N mA : 0 to 25 mA mV : 0 to 100 / 1000 mV Resistance : 0 to 500 Ohms / 3.5 KOhms	RTD : Pt100 IEC Std. Volt : 0 to 10 V

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 1760		
TC Type S	170 to 1760		
TC Type N	0 to 1300		
RTD Pt100	-100 to 800		±0.05% F.S.

STANDARD DELIVERY

- Basic Instrument
- Test Leads
- Mains Cable
- Insertion Tubes (to suit 1/4" & 1/2" probes)
- Tool for Insertion Tubes
- Spare Fuses
- RS-232 Computer Interface
- "Caltemp" Calibration Software
- Traceable Calibration Certificate
- Instruction Manual
- Carrying Case

OPTIONALS

- Additional Thermowells / Insertion Tubes :
(to choose from) :
Single hole standard sizes to suit
1/8", 1/4", 3/8", 1/2", 3/4", 7/8" & 3, 4, 5, 6, 7, 8, 10, 12, 13, 15, 17, 19 & 21 mm probes
Multihole (Typical) : (1x6 + 1x8), (3x6), (1x10 + 1x4) mm
- 115V AC / 60 Hz Power Supply
- Calibration Certificate from NABL Accredited – as per ISO/IEC 17025:2005 Laboratory

Product of

Nagman Instruments & Electronics (P) Ltd.

- Comprehensive Calibration Solutions (Standards / Systems / Packages / Software / Services)
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