

Temperature

Nagman

Universal Dry Block Sub-Zero Temperature Calibrator

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

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

*High Accuracy, Resolution & Stability with
Measurement Capability for mA,
Resistance, RTD (Pt100, Pt200, Pt500, Pt1000) Signals*

Model

MTC 40

- Range : -40°C from Ambient to 123°C
- Accuracy : $\pm 0.3^\circ\text{C}$
- Advanced – Micro-controller based Technology
- Heavy Duty Portable / Bench-top Model
- High Accuracy, Resolution & Stability
- Fast & heat cooling
- 128 x 64 Graphic Display
- Measurement Capability for RTD, mA & Resistance Signals
- Touch Membrane Keypad
- Switch Test Contact Measurement
- Interchangeable Single hole Thermowell Inserts
- RS-232 Interface & Calibration Software



Specifications

MTC 40

Range	-40°C from Ambient to 123°C		
Resolution	0.1°C		
Accuracy	±0.3°C		
Stability	±0.05°C		
Stabilisation Time	7 Minutes		
Temperature Readout	°C / °F Switchable		
Well Diameter	19 mm		
Immersion Depth	100 mm		
Heating Time (Ambient to max.)	14 Minutes approx.		
Cooling Time (to min.)	34 Minutes approx.		
Switch Test facility	Provided		
Interchangeable Thermowells	Single hole to suit 1/4" Probe		
Housing / Mounting	Bench-top		
Power Supply / Consumption	100 V to 240V AC, 50 to 60 Hz, 150 W		
Instrument Dimensions (L x D x H)	160 x 365 x 350 mm		
Instrument Weight (approx..)	9 Kg.		
Measurement Capability	mA	0 to 25 mA	
	Resistance	0 to 500 Ω / 3.5 KΩ	
	RTD	Pt100, Pt200, Pt500 & Pt1000	

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	±0.05% F.S.
Volts	0 to 10	0.001	±0.05% F.S.
mA	0 to 25	0.001	±0.05% F.S.
Ohms	0 to 500	0.01	±0.05% F.S.
KOhms	0 to 3.5	0.0001	±0.05% F.S.
TC Type J	-100 to 1200	0.1	±0.1% F.S.
TC Type K	-60 to 1260	0.1	±0.1% F.S.

Type	Range	Resolution	Accuracy
TC Type R	150 to 1700	0.1	±0.1% F.S.
TC Type S	170 to 1700	0.1	±0.1% F.S.
TC Type N	0 to 1300	0.1	±0.1% F.S.
RTD Pt100	-100 to 800	0.1	±0.05% F.S.
RTD Pt200	-100 to 600	0.1	±0.05% F.S.
RTD Pt500	-100 to 530	0.1	±0.05% F.S.
RTD Pt1000	-100 to 650	0.1	±0.05% F.S.

STANDARD DELIVERY

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

OPTIONALS

- Additional Single hole Insert (Maximum 15 mm)
- Calibration Certificate from NABL Accredited – as per ISO/IEC 17025:2005 Laboratory

Manufactured by

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