

Temperature

**Nagman Sub-Zero  
Temperature Calibrator**

Portable / Bench-top Model

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

*Microprocessor based  
Precision Dry Block*

**Model**

**MP40R**

- Range : -40°C above Ambient to 123°C
- Accuracy : ±0.3°C
- Advanced – Microprocessor based Technology
- High Precision / Exceptional Stability
- Portable – Field & Lab use
- Fast heating & Cooling
- Switch Test & Hold facility
- Current Measurement & Transmitter Supply
- Programmable Slope Rate
- Analog Output
- RS-232 Computer Interface
- Calibration Software (optional)



**Specifications****MP40R****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**

14 Minutes (from Ambient to max.)

**Cooling Time**

34 Minutes (from Ambient to min.)

**Interchangeable Thermowells**

Single Hole to suit 1/4" - Standard

**Current Input**

0 to 24 mA

**Resolution**

0.01 mA

**Accuracy (mA)**

±0.05% FS + 1 digit

**Transmitter Supply / Temperature Switch**

24V / 30 mA DC / 5V

**Power Supply / Consumption**

230V AC / 50 Hz / 120 W

**Instrument Dimensions (L x D x H)**

155 x 375 x 300 mm

**Instrument Weight**

10 Kgs.

\* Measured at bottom of well with Precision Sensors

**STANDARD DELIVERY**

- Basic Instrument
- Test Leads
- Mains Cable
- Insertion Tube (to suit 1/4" Probe)
- Tool for Insertion Tube
- Spare Fuses
- RS-232 Computer Interface
- Traceable Calibration Certificate
- Instruction Manual
- Carrying Case

**OPTIONALS**

- Additional Single hole Insert (Maximum 15 mm)
- Multi-hole Insert (consult us)
- "Caltemp" Calibration Software
- 115V AC / 60 Hz Model
- 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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