

Temperature

Medium 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

CTMP-650

- Range : 50°C to 650°C
- Accuracy : $\pm 0.7^\circ\text{C}$
- 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**CTMP-650****Range**

50°C to 650°C

Resolution

±0.1°C

Accuracy

±0.7°C

Stability *

±0.06°C

Stabilisation Time

20 Minutes

Temperature Readout

°C / °F Switchable

Well Diameter

25 mm

Immersion Depth

110 mm

Heating Time

27 Minutes (Ambient to Max.)

Cooling Time

35 Minutes (from Max. to 100°C)

Interchangeable Thermowells

Single Hole to suit 1/4" & 1/2" probes – Standard
Other Sizes / Multihole - optional

Current Input Resolution Accuracy (mA)

0 to 24 mA 0.01 mA ±0.05% FS + 1 digit

Transmitter Supply / Temperature Switch

24V / 30 mA DC / 5V

Power Supply / Consumption

230V AC / 50 Hz / 1200 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 Tubes (to suit 1/4" & 1/2" Probes)
- Tool for Insertion Tube
- Spare Fuses
- RS-232 Computer Interface
- Traceable Calibration Certificate
- Instruction Manual
- Carrying Case

OPTIONALS

- "Caltemp" Calibration Software
- 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, 19, 21 mm probes
Multihole (Typical) : 1 x 6 + 1 x 8, 3 x 6, 1 x 10 + 1 x 4 mm
- 115V AC / 60 Hz Model
- Calibration Certificate from NABL Accredited – as per ISO/IEC 17025:2005 Laboratory

PRISMA
Instruments
& Gauge Bourdon France

