

0.01 degree ,, Pt 100, type K/J/R/E/T

PRECISION THERMOMETER

Model : TM-917HA

ISO-9001, CE, IEC1010



FEATURES

- * Professional thermometer with high accuracy & 0.01 degree resolution.
- * Accept multi type temp. probe input : Platinum PT 100 ohm, Thermocouple type K/J/T/E/R.
- * PT 100 probe input cooperate with an 0.00385 alpha coefficient, meet DIN IEC 751.
- * Cooperate with 4 wires Pt-100 ohm probe, high precision.
- * Wide measuring range.
- * Super large LCD with unit display.
- * Data hold.
- * Sensor select button on the front panel.
- * Maximum & minimum reading.
- * Relative measurement.
- * Built-in low battery indicator.
- * Optional heavy duty & compact housing case, easy carry out.



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The Art of Measurement

PRECISION 0.01 degree THERMOMETER

Model : TM-917HA

FEATURES	
* Professional thermometer with high accuracy & 0.01 resolution.	* Build in 0.01& 0.1select switch on the front panel. * Super large LCD with unit display, easy readout.
* Accept multi type temp. probe input : platinum PT 100 ohm, thermocouple type K/J/T/E/R.	* Data hold function for stored the desired value on display.
* With 0.01 high resolution both for Platinum & Thermocouple probe input.	* Sensor select button on the front panel, easy to change different type probe.
* PT 100 probe input cooperate with an 0.00385 alpha coefficient, meet DIN IEC 751.	* Memory function to record the maximum & minimum reading with recall.
* Cooperate with 4 wires Pt-100 ohm probe, high precision.	* Build the REL. button, useful for relative measurement. * Built-in low battery indicator.
* Wide range display from -100 to 1370 °C (type k).	* Optional heavy duty & compact housing case, designed for easy carry out.
* Build in °C & °F select button on the front panel.	

GENERAL SPECIFICATIONS			
Display	62 mm x 34 mm supper large LCD display, 13 mm (0.5") digit size.	Sampling Time	Approx. 0.4 second.
Probe type	5 types : 1. Platinum PT 100 ohm (0.00385 alpha coefficient, meet DIN IEC 751) 2. Thermocouple type K. 3. Thermocouple type J. 4. Thermocouple type T. 5. Thermocouple type E. 6. Thermocouple type R.	Hold Function	To freeze the display reading value.
		Memory Recall	Memorize the Maximum, Minimum reading with recall.
		Over Indication	Show " - - - - ".
		Power Supply	Heavy duty or Alkaline type, DC 9V battery, 006P, MN1604 (PP3) or equivalent.
		Power Consumption	Approx. DC 15 mA.
		Operating	0 to 50 °C (32 to 122 °F).
Functions	°C, °F, 0.010.1 Data hold, relative measurement.	Temperature	
Resolution	0.01°C/0.1°C, 0.01°F/0.1°F.	Operating	Less than 80% RH.
Circuit	Use the software to make linearity correction instead the traditional hardware circuit.	Humidity	
		Meter Size	185 x 78 x 38 mm (7.1 x 3.1 x 1.5 inch).
		Meter Weight	285 g/0.62 lb.
Probe input socket	Pt 100 ohm probe : DIN 4 pin socket. Thermocouple couple probe : Standard 2 pin type K socket.	Standard	Operational manual..... 1 PC.
		Accessory	
		Optional Accessories	Carrying case, Pt-100 probe, Type K Thermocouple probe.

MEASURING RESOLUTION / RESOLUTION					
Type	Resolution	Range	Type	Resolution	Range
Platinum PT 100 ohm	0.01 °C	-199.99 to 199.99 °C	Thermocouple type T	0.01 °C	-100.00 to 100.00 °C
	0.1 °C	200.0 to 850.0 °C		0.1 °C	100.0 to 400.0 °C
	0.02 °F	-199.99 to 392.00 °F		0.02 °F	-148.00 to 212.00 °F
	0.2 °F	392.0 to 1562.0 °F		0.2 °F	212.0 to 752.0 °F
Thermocouple type K	0.01 °C	-100.00 to 100.00 °C	Thermocouple type E	0.01 °C	-80.00 to 90.00 °C
	0.1 °C	100.0 to 1370.0 °C		0.1 °C	90.0 to 779.9 °C
	0.02 °F	-148.00 to 212.00 °F		0.02 °F	-112.00 to 194.00 °F
	0.2 °F	212.0 to 2498.0 °F		0.2 °F	194.0 to 1435.8 °F
Thermocouple type J	0.01 °C	-90.00 to 100.00 °C	Thermocouple type R	0.1 °C	0 to 600.0 °C
	0.1 °C	100.0 to 900.0 °C		1 °C	600 to 1770 °C
	0.02 °F	-130.00 to 212.00 °F		0.2 °F	32.0 to 112.0 °F
	0.2 °F	212.0 to 1652.0 °F		1 °F	112 to 3218 °F

OPTIONAL TEMPERATURE PROBE & OTHER ACCESSORIES	
Carrying Case	Model : CA-03, Vinyl soft carrying case.
Carrying Case	Model : CA-06, Hard carrying case
PT-100 ohm Probe TP-100	* -50 °C to 400 °C (-58 °F to 752 °F), DIN plug, 4 pins/4 wires, Class A, Cooperate with an 0.00385 alpha coefficient, meet DIN IEC 751, Accuracy : (0.15 + (0.002 x T))C.
TP-100A	* Dimension Sensing head - 152 mm tube, Probe length - 245 mm.
Thermocouple Probe (Type K) TP-01	* Measure Rage: -40 °C to 250 °C, -40 °F to 482 °F. * Ultra fast response naked-bead thermocouple, general purpose application.
Thermocouple Probe (Type K), TP-02A	* Measure Range: -50 °C to 900 °C, -50 °F to 1650 °F. * Dimension: 10 cm tube, 3.2 mm Dia.
Thermocouple Probe (Type K), TP-03	* Measure Range: -50 °C to 1200 °C, -50 °F to 2200 °F. * Dimension: 10 cm tube, 8 mm Dia.
Surface Probe (Type K), TP-04	* Measure Range: -50 °C to 400 °C, -50 °F to 752 °F. * Size : Temp. sensing head - 15 mm Dia. Probe length - 120 mm.

* Appearance and specifications listed in this brochure are subject to change without notice.

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