

0.01 degree, Pt 100 ohm, High precision, RS232
PRECISION THERMOMETER

Model : TM-907A

ISO-9001, CE, IEC1010



PT-100 ohm

Temp. probe, optional



Lutron

LUTRON ELECTRONIC

The Art of Measurement

PRECISION 0.01 degree THERMOMETER

Model : TM-907A

FEATURES	
* Professional thermometer with high accuracy & 0.01 resolution.	* Build in 0.01& 0.1select switch on the front panel. * RS 232 computer serial interface.
* PT 100 probe input cooperate with an 0.00385 alpha coefficient, meet DIN IEC 751.	* Super large LCD with unit display, easy readout. * Data hold function to store the desired value.
* Cooperate with 4 wires Pt-100 ohm probe, high precision.	* Memory function to record the maximum & minimum reading with recall.
* Wide range display from -199.99 to 850 °C.	* Built-in low battery indicator.
* Build in °C & °F select button on the front panel.	* Optional carrying cases are available.

GENERAL SPECIFICATIONS			
Display	62 mm x 34 mm supper large LCD display, 13 mm (0.5") digit size.	Data Output	RS232 PC serial interface.
Probe type	Platinum PT 100 ohm (0.00385 alpha coefficient, meet DIN IEC 751)	Power Supply	Heavy duty or Akaline type, DC 9V battery, 006P, MN1604 (PP3) or equivalent.
Functions	°C, °F, 0.010.1 Data hold.	Power Consumption	Approx. DC 15 mA.
Resolution	0.01°C/0.1°C, 0.02°F/0.1°F.	Operating Temperature	0 to 50 °C (32 to 122 °F).
Circuit	Use the software to make linearity correction instead the traditional hardware circuit.	Operating Humidity	Less than 80% RH.
Probe input socket	DIN 4 pin socket.	Meter Size	180x72x32 mm (7.1x2.8x1.3 inch).
Sampling Time	Approx. 0.4 second.	Meter Weight	285 g/0.62 LB.
Hold Function	To freeze the display reading value.	Standard Accessory	Operational manual..... 1 PC.
Memory Recall	Memorize the Maximum, Minimum reading with recall.	Optional Accessories	Carrying case, Pt-100 probe, RS232 cable, USB cable Application software.
Over Indication	Show " - - - - ".		

ELECTRICAL SPECIFICATIONS (23± 5 °C)				
Type	Resolution	Range	Accuracy	Remark
°C	0.01 °C	-199.99 to 199.99 °C	± (0.1 % + 0.2 °C)	* The accuracy is specified for the meter only.
	0.1 °C	200.0 to 850.0 °C		
°F	0.01 °F	-199.99 to 392.00 °F	± (0.1 % + 0.4 °F)	
	0.1 °F	392.0 to 1562.0 °F		

OPTIONAL TEMPERATURE PROBE & OTHER ACCESSORIES	
Carrying Case	Model : CA-03, Vinyl soft carrying case, size : 190 x 90 x 55 mm.
Carrying Case	Model : CA-05A, Soft carrying case with sash, 260 x 110 x 55 mm.
Carrying Case	Model : CA-06, Hard carrying case, 280 x 195 x 65 mm.
Pt-100 ohm Probe Model : 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. T : measuring temperature. * Dimension Sensing head - 152 mm tube, Probe length - 245 mm. * Cable length : 100 cm.
RS232 cable	RS232 cable for connecting between the meter & the computer (COM port) Model : UPCB-01
USB cable	USB cable for connecting between the meter & the computer (USB port) Model : USB-01
Software	Model : SW-U801-WIN, Windows version. * Software apply as the performance of data logging system & data recorder...

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

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