

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.	Power Supply	<i>Heavy duty or Alkaline type,</i> DC 9V battery, 006P, MN1604 (PP3) or equivalent.
Probe type	Platinum PT 100 ohm <i>(0.00385 alpha coefficient, meet DIN IEC 751)</i>	Power Consumption	Approx. DC 15 mA.
Functions	°C, °F, 0.010.1 Data hold.	Operating Temperature	0 to 50 °C (32 to 122 °F).
Resolution	0.01°C/0.1°C, 0.02°F/0.1°F.	Operating Humidity	Less than 80% RH.
Circuit	Use the software to make linearity correction instead the traditional hardware circuit.	Meter Size	180x72x32 mm (7.1x2.8x1.3 inch).
Probe input socket	DIN 4 pin socket.	Meter Weight	285 g/0.62 LB.
Sampling Time	Approx. 0.4 second.	Standard Accessory	Operational manual..... 1 PC.
Hold Function	To freeze the display reading value.	Optional Accessories	Carrying case Pt-100 ohm Temp. probe, TP-100 RS232 cable, UPCB-01 USB cable, USB-01 Application software Data acquisition software. SW-U801-WIN
Memory Recall	Memorize the Maximum, Minimum reading with recall.		
Over Indication	Show " - - - - ".		
Data Output	RS232 PC serial interface.		

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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