

0.1 degree , T1, T2, T1-T2, RS232

DUAL THERMOMETER

Model : TM-906A

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

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FEATURES	
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.	* RS 232 PC serial interface.
* Super large LCD display with contrast adjustment for best viewing angle.	* Multi functions, dual channel temp. input, differential temp. measurement, °C/°F, 0.1/1 degree, data hold.
* Dual function meter's display.	* Wide measuring range from -50 °C to 1230 °C.
* Heavy duty & compact housing case.	* Meet any standard type K(NiCr-NiAl) probe.
* Records Maximum and Minimum readings with RECALL.	* Fitted with standard type K thermocouple input measuring socket.
* Data hold.	* Build in temperature linearity & precision cold junction compensation circuit, high accuracy.
* Auto shut off saves battery life.	* Low battery indicator.
* Operates from 006P DC 9V battery.	

GENERAL SPECIFICATIONS			
Circuit	Custom one-chip of micro-processor LSI circuit.	Memory Recall	Records Maximum and minimum readings with RECALL.
Display	* 13 mm(0.5") Super large LCD display with contrast adjustment for best viewing angle. * Dual function meter's display.	Power off	Auto shut off saves battery life. or manual off by push button.
		Sampling Time	Approx. 0.8 to 1.0 second.
		Operating Temp.	0 °C to 50 °C (32 °F to 122 °F).
Sensor Type	Thermocouple K(NiCr-NiAl).	Operating Humidity	Less than 80% R.H.
Measurement	Two channel temp. input (T1, T2), differential temperature measurement(T1 -T2), °C/°F, 0.11 data hold.	Power Supply	006P DC 9V battery. (Heavy Duty Type)
		Power Current	Approx. DC 6.2 mA.
Range	- 50 °C to 1230 °C, - 50 °F to 1999 °F.	Weight	275 g/0.61 LB.
Polarity	Automatic switching, '-' indicates negative polarity.	Dimension	180 x 72 x 32 mm. (7.1 x 2.8 x 1.3 inch).
Input Impedance	10 Mega ohm.	Accessory included	Instruction manual..... 1 PC
Over input indication	Indication of "- - - -".	Optional Accessories	Temperature probe., Carrying case * RS232 cable, UPCB-01 * USB cable, USB-01 * Data Acquisition software, SW-U801-WIN
Data Output	RS 232 PC serial interface.		

ELECTRICAL SPECIFICATIONS (23± 5 °C)				
	TEMP. RANGE	RESOLUTION		ACCURACY
°C	-200 °C to 1370 °C	0.1 °C	-199.9 °C to 199.9 °C	± (0.75% + 1 °C)
		1 °C	--200 °C to 1370 °C	
°F	-328 °F to 2498 °F	0.1 °F	-199.9 °F to 199.9 °F	± (0.75% + 2 °F)
		1 °F	-328 °F to 2498 °F	
°C	T1 - T2			± (0.75% + 1 °C)
°F	T1 - T2			± (0.75% + 2 °F)

* The above accuracy specification applies only to the instrument itself and allowance must be made for limits of error permitted in thermocouple.

OPTIONAL TEMPERATURE PROBE & OTHER ACCESSORIES	
Thermocouple Probe (Type K) TP-01	Measure Range: -40 °C to 250 °C, -40 °F to 482 °F Max. short-term operating Temperature: 300 °C (572 °F). It is an ultra fast response naked-bead thermocouple, suitable for many general purpose application.
Thermocouple Probe (Type K), TP-02A	Measure Range: -50 °C to 900 °C (-50 °F to 1650 °F). Dimension: 10cm tube, 3.2mm Dia.
Thermocouple Probe (Type K), TP-03	Measure Range: -50 °C to 1200 °C (-50 °F to 2200 °F). Dimension: 10cm tube, 8mm 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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