

# 0.1 degree , T1, T2, T1-T2 DUAL THERMOMETER

Model : TM-916

ISO-9001, CE, IEC1010



## FEATURES

- \* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- \* Super large LCD display. Dual function meter's display.
- \* Heavy duty & compact housing case.
- \* Maximum and Minimum readings.
- \* Data hold.
- \* Auto shut off saves battery life.
- \* Operates from 006P DC 9V battery.
- \* T1, T2, T1-T2, 1 degree/0.1 degree
- \* Wide range from -200 to 1370 C degree.
- \* Meet any standard type K Temp. probe.
- \* Build in temperature linearity & precision cold junction compensation circuit, high accuracy.
- \* Fitted with standard type K thermocouple input measuring socket.



LUTRON ELECTRONIC

*The Art of Measurement*

# DUAL THERMOMETER

## Model : TM-916

FEATURES	
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.	* Operates from 006P DC 9V battery.
* Super large LCD display, easy readout.	* 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.	

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. * Dual function meter's display.	Power Off	Auto shut off saves battery life. or manual off by push button.
Sensor Type	Thermocouple K(NiCr-NiAl).	Sampling Time	Approx. 0.8 to 1.0 second.
Measurement	Two channel temp. input (T1, T2), differential temperature measurement(T1 -T2), °C/°F, 0.11 data hold.	Operating Temp.	0 °C to 50 °C (32 °F to 122 °F).
Range	- 50 °C to 1230 °C, - 50 °F to 1999 °F.	Operating Humidity	Less than 80% R.H.
Polarity	Automatic switching, '-' indicates negative polarity.	Power Supply	006P DC 9V battery. (Heavy Duty Type).
Input Impedance	10 Mega ohm.	Power Current	Approx. DC 6.2 mA.
Over input indication	Indication of "- - - -".	Weight	275 g/0.61 LB.
		Dimension	180 x 72 x 32 mm. (7.1 x 2.8 x 1.3 inch).
			Instruction manual.....1 PC.
		Optional Accessories	Temperature probe. Carrying case.

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	± ( 1 % + 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	± ( 1 % + 2 °F )
		1 °F	-328 °F to 2498 °F	
°C	T1 - T2			± ( 1 % + 2 °C )
°F	T1 - T2			± ( 1 % + 3 °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	
Soft carrying case, CA-03	Dimensions : 275 x 195 x 64 mm, Weight : 465 g.
Hard carrying case, CA-06	Dimensions : 210 x 100 x 70 mm, Weight : 81 g.
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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