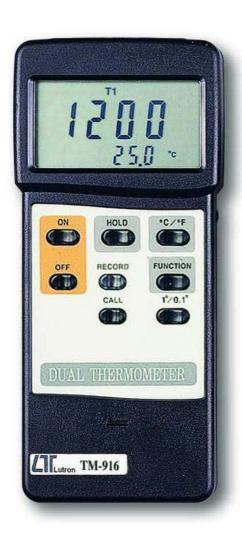
## O.1 degree, T1, T2, T1-T2 DUAL THERMOMETER

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.

The Art of Measurement

## **DUAL THERMOMETER**

Model: TM-916

FEATURES		
* Microprocessor circuit assures maximum	* Operates from OO6P DC 9V battery.	
possible accuracy, provides special functions	* Multi functions, dual channel temp. input,	
and features.	differential temp. measurement, °C /°F, 0.1/1 degree,	
* Super large LCD display, easy readout.	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	* Fitted with standard type K thermocouple input	
with recall.	measuring socket.	
* Data hold.	* Build in temperature linearity & precision cold	
* Auto shut off saves battery life.	junction compensation circuit, high accuracy.	
* Low battery indicator.		

GENERAL SPECIFICATIONS					
Circuit	Custom one-chip of micro-	Memory Recall	Records Maximum and		
	processor LSI circuit.		minimum readings with		
Display	* 13 mm(0.5") Super large LCD		recall.		
	display.	Power Off	Auto shut off saves battery life.		
	* Dual function meter's display.		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,	Operating Temp.	0 °C to 50 °C (32 °F to 122 °F).		
	T2), differential temperature	Operating	Less than 80% R.H.		
	measurement(T1 -T2),	Humidity			
	°C/°F, 0.11 data hold.	Power Supply	006P DC 9V battery. (Heavy Duty		
Range	- 50 ℃ to 1230 ℃,		Type).		
	- 50 °F to 1999 °F.	Power Current	Approx. DC 6.2 mA.		
Polarity	Automatic switching,	Weight	275 g/0.61 LB.		
	'-' indicates negative polarity.	Dimension	180 x 72 x 32 mm.		
Input	10 Mega ohm.		(7.1 x 2.8 x1.3 inch).		
Impedance			Instruction manual1 PC.		
Over input	Indication of "".	Optional	Temperature probe.		
indication		Accessories	Carrying case.		

ELECTRICAL SPECIFICATIONS (23 5 ℃)						
	TEMP. RANGE	RESOLUTION	ACCURACY			
	-200 °C to 1370 °C	0.1 ℃	-199.9 °C to 199.9 °C	± (1% + 1°C)		
$^{\circ}\mathbb{C}$		1 ℃	200 °C to 1370 °C			
$^{\circ}\mathrm{F}$	-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			
$^{\circ}\!\mathbb{C}$	T1 - T2			± (1% + 2°C)		
°F	T1 - T2			± (1% + 3°F)		

<sup>\*</sup> 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	Dimentions: 275 x 195 x 64 mm, Weight: 465 g.	
Hard carrying case, CA-06	Dimentions: 210 x 100 x 70 mm, Weight: 81 g.	
Thermocouple Probe	Measure Range: -40 $^{\circ}\mathrm{C}$ to 250 $^{\circ}\mathrm{C}$ , -40 $^{\circ}\mathrm{F}$ to 482 $^{\circ}\mathrm{F}$	
(Type K) TP-01	Max. short-term operating Temperature: 300 $^{\circ}$ C (572 $^{\circ}$ F).	
	It is an ultra fast response naked-bead thermocouple, suitable for	
	many general purpose application.	
Thermocouple Probe	Measure Range: -50 $^{\circ}\mathrm{C}$ to 900 $^{\circ}\mathrm{C}$ (-50 $^{\circ}\mathrm{F}$ to 1650 $^{\circ}\mathrm{F}$ ).	
(Type K), TP-02A	Dimension: 10cm tube, 3.2mm Dia.	
Thermocouple Probe	Measure Range: -50 $^{\circ}\mathrm{C}$ to 1200 $^{\circ}\mathrm{C}$ (-50 $^{\circ}\mathrm{F}$ to 2200 $^{\circ}\mathrm{F}$ ).	
(Type K), TP-03	Dimension: 10cm tube, 8mm Dia.	
Surface Probe	Measure Range: -50 $^{\circ}\mathrm{C}$ to 400 $^{\circ}\mathrm{C}$ (-50 $^{\circ}\mathrm{F}$ to 752 $^{\circ}\mathrm{F}$ ).	
(Type K), TP-04	Size: Temp. sensing head - 15 mm Dia, Probe length - 120 mm.	

<sup>\*</sup> Appearance and specifications listed in this brochure are subject to change without notice.