

T1, T2, T-T2, economical type

# DUAL CHANNEL THERMOMETER

Model : TM-928B

ISO-9001, CE, IEC1010



Optional type K Temp. probes



LUTRON ELECTRONIC

*The Art of Measurement*



# DUAL CHANNEL THERMOMETER

Model : TM-928B

## FEATURES

* Two channels thermometer, T1, T2, T1-T2, T1 only.
* Both type K/J temp. measurement, wide range.
* °C/°F, 0.1 degree.
* Microcomputer circuit provides intelligent function and high accuracy.
* LCD with two display, easy readout.
* Memorize the maximum and minimum value with recall.
* Hold function to freeze the current reading value.
* Microprocessor circuit assures high accuracy and reliable performance.
* Meter can default to accept type K or type J Temp. probe.
* Meter can default auto power off or manual power off.
* Meter can default the measuring unit to °C or °F.
* Few panel buttons, easy operation.
* Built-in low battery indicator.
* Using the durable, long-lasting components and a strong lightweight ABS-plastic housing case.

## GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.
Display	40 mm x 32 mm LCD (Liquid crystal display).
Display Unit	°C, °F.
Resolution	0.1 °C, 0.1 °F.
Measurement Channels	T1, T2, T1-T2, T1 only.
Temperature Compensation	Automatic temp. compensation for the cold junction both type K/J thermometer
Linear Compensation	Linear Compensation for the full range.
Offset, Span Adjustment	Available for advanced calibration procedure.
Probe Input Socket	Standard 2 pin thermocouple socket.
Over Indication	Show " ".
Data Hold	Freeze the display reading.
Memory Recall	Maximum and Minimum reading values can be saved and retrieved by record function.
Power off	Auto shut off saves battery life or manual off by push button.
Operating Temperature	0 °C to 50 °C (32 °F to 122 °F).
Operating Humidity	Max. 80% RH.
Sampling Time	Approx. 1 second.
Power Supply	DC 9V battery, 006P, MN1604 ( PP3 ) or equivalent. <i>Alkaline or heavy duty type.</i>

Power Consumption	Approx. DC 6.5 mA.
Weight	216 g/0.48 LB ( w/o battery ).
Dimension	175 x 70 x 39 mm ( 6.9 x 2.8 x 1.5 inch ).
Standard Accessories	Instruction manual..... 1 PC
Optional Accessories	* Type K thermocouple probe. TP-01, TP-02A, TP-03, TP-04, TP-05 * Carrying case, CA-05A.

## 2-2 ELECTRICAL SPECIFICATIONS (23 ± 5 °C)

Sensor Type	Resolution	Range	Accuracy
Type K	0.1 °C	-50.0 to 1300.0 °C	± ( 0.4 % + 0.8 °C )
		-50.1 to -100.0 °C	± ( 0.4 % + 1 °C )
	0.1 °F	-58.0 to 2372.0 °F	± ( 0.4 % + 1.5 °F )
		-58.1 to -148.0 °F	± ( 0.4 % + 1.8 °F )
Type J	0.1 °C	-50.0 to 1200.0 °C	± ( 0.4 % + 0.8 °C )
		-50.1 to -100.0 °C	± ( 0.4 % + 1 °C )
	0.1 °F	-58.0 to 2192.0 °F	± ( 0.4 % + 1.5 °F )
		-58.1 to -148.0 °F	± ( 0.4 % + 1.8 °F )

\* Accuracy value is specified for the meter only.

\* Type K probe TP-01 TP-02A, TP-03. TP-04, TP-05 is the optional accessory.

## OPTIONAL TYPE K TEMP. PROBE

Thermocouple Probe ( Type K ) TP-01	* Measuring Range : -40 to 250 °C ( -40 to 482 °F ) * Max. short-term operating Temp. : 300 °C * It's 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, -58 °F to 1650 °F. * Dimension: 12cm tube, 3.2mm Dia.
Thermocouple Probe ( Type K ) TP-03	* Measure Range: -50 °C to 1100 °C, -58 °F to 2012 °F. * Dimension: 13.6cm tube, 8mm Dia.
Thermocouple Probe ( Type K ) TP-04 <i>* surface Temp. probe.</i>	* Measure Range: -50 °C to 400 °C, -58 °F to 752 °F. * Size : Temp. sensing head - 15 mm Dia. Probe length - 120 mm.
Clamp Temp. Probe ( Type K ) TP-05	* Measure Range: -50 °C to 350 °C, -58 °F to 662 °F. * Spring-loaded jaw for secure grip for pipe size from 3 mm to 48 mm diameter.

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

1204-TM928B