

DUAL CHANNEL THERMOMETER

Model : TM-915A

FEATURES	
* Microprocessor circuit assures high accuracy and provides special functions and features.	* Type K thermocouple sensor for fast response temperature measurement.
* Wide measuring range : -199°C to 1230°C (-325°F to 2246°F).	* RS 232 PC serial computer interface.
* Multi functions, dual channel temp. measurement, Temperature change rate, °C/°F, data hold.	* Meet any standard type K(NiCr-NiAl) probe.
* Build in temperature linearity compensation circuit, high accuracy.	* Fitted with standard type K input measuring socket.
* Records Maximum, Minimum readings with recall.	* Super large LCD display, easy reading.
	* Operates from 006P DC 9V battery.
	* Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.

GENERAL SPECIFICATIONS			
Circuit	Custom one-chip of microprocessor LSI with thermocouple linearity correction circuit.	Memory Recall	Records Maximum, Minimum readings with RECALL.
Display	Dual function meter's display, 13 mm (0.5") digit size. Super large LCD display with annunciator.	Over input indication	Indication of "----".
Measurement	Two channel temp. input (T1, T2), Temperature change rate (change degrees/ per minute)	Operating Temperature	0 °C to 50 °C(32 °F to 122 °F).
Measurement Range	- 199°C to 1230°C/ - 325°F to 2246°F.	Operating Humidity	Less than 80% RH.
Polarity	Automatic switching, '-' indicates negative polarity.	Power Supply	006P DC 9V, MN1604/PP3 battery or equivalent. <i>Heavy duty or Alkaline type.</i>
Sensor Type	Thermocouple K(NiCr-NiAl).	Power Current	Approx. DC 4.8 mA.
Input Impedance	10 Mega ohm.	Weight	240 g/0.53 LB (included batteries & probe)
Sampling Time	Approx. 0.4 second.	Size	Main instrument: 180 x 72 x 32 mm(7.1 x 2.8 x 1.3 inch).
Data Output	RS 232 computer serial interface.	Accessories Included	Instruction Manual 1 PC.
		Optional Accessories	Temperature probe, carrying case.

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)		
<i>Temperature Range</i>	<i>Resolution</i>	<i>Accuracy</i>
°C	-50 °C to 1230 °C 1 °C	±(0.75% + 1 °C)
°F	-58 °F to 2246 °F 1 °F	±(0.75% + 2 °F)

Remark :

- * The above accuracy specification applies only to the instrument itself and allowance must be made for limits of error permitted in thermocouple.
- * The meter measure range is - 199°C to 1230°C (- 325°F to 2246°F), but only offer the spec. accuracy for the measurement -50 °C (-58 °F) as above.

OPTIONAL TEMPERATURE PROBE & OTHER ACCESSORIES	
Carrying Case	Model : CA-03, Vinyl soft carrying case.
Carrying Case	Model : CA-06, Hard carrying case
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). * Ultra fast response naked-bead thermocouple, general purpose application.
Thermocouple Probe (Type K), TP-02A	* Measure Range: -50 °C to 900 °C, -50 °F to 1650 °F. * Dimension: 10 cm tube, 3.2 mm Dia.
Thermocouple Probe (Type K), TP-03	* Measure Range: -50 °C to 1200 °C, -50 °F to 2200 °F. * Dimension: 10 cm tube, 8 mm 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.
RS232 cable	Model : UPCB-01, RS232 cable for connecting between the meter & the computer.
Software	Model : SW-U101-WIN, Windows version. *Software apply as the applications of data logging system & data recorder...

