

0.1 degree, Laser guide **INFRARED THERMOMETER**

Model : TM-919AL

ISO-9001, CE, IEC1010

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FEATURES

- * 0.1 °C infrared thermometer.
- * Non-contact temperature measurement.
Range : -20 to 400 °C (-4 to 752 °F).
- * Microcomputer circuit with high performance.
- * Auto power shut off saves battery life.
- * Wide temperature measuring range.
- * Build in °C & °F select button.
- * Data hold function for stored the desired value on display.
- * Memory function to record the maximum & minimum reading.
- * Build the REL button, useful for relative measurement.
- * Emissivity adjustment.
- * Red laser guide, > 1 mW.
- * Built-in low battery indicator.
- * Heavy duty & compact housing case.
- * Operates from 006P DC 9V battery.



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The Art of Measurement

Laser light guide, 0.1 degree
Infrared THERMOMETER
Model : TM-919AL

FEATURES	
* Infrared thermometer, range : -20 °C to 400 °C (-4 °F to 752 °F), precision for none contact temperature measurement.	* Build the REL button, useful for relative measurement. * 0.1 °C display resolution. * Emissivity adjustment for IR thermometer.
* Microcomputer circuit with high performance.	* Safety LED target light guide for IR thermometer.
* Wide temperature measuring range.	* Auto power shut off saves battery life.
* Build in °C & °F select button on the front panel.	* Built-in low battery indicator.
* Data hold function.	* Heavy duty & compact housing case with stand.
* Memory function to record the maximum & minimum reading with recall.	* Operates from 006P DC 9V battery.

GENERAL SPECIFICATIONS			
Display	<i>Dual display with annunciator :</i> * Main display : 10 mm (0.4") LCD, 5 digit. * Small display : To show the emissivity value.	Over Indication	Show " - - - - ".
		Power Supply	Alkaline or heavy duty type, DC 9V battery, 006P, MN1604 (PP3) or equivalent.
		Power Consumption	W/o laser guide - Approx. DC 12 mA With laser guide - Approx. DC 23 mA.
Functions	°C, °F, Data hold, Memory (Max., Min.), Relative measurement, Emissivity adjustment (IR thermometer).	Operating Temperature	0 to 50 °C (32 to 122 °F).
Resolution	0.1 degree.	Operating Humidity	Less than 80% RH.
Circuit	Exclusive microcomputer circuit.	Weight	250 g/0.55 LB (without battery).
Emissivity Adjustment	Range : 0.20 to 1.00. Adjustment by pushing button on front panel.	Dimension	195 x 120 x 57 mm. (7.7 x 4.7 x 2.2 inch).
Target Guide	Red color, laser power less than 1 mW.	Standard Accessory	Operational manual.....1 PC.
Sampling Time	Approx. 1 second.	Optional & accessories	Hard carrying case Model : CA-06
Hold Function	To freeze the display reading value.		
Memory Recall	Memorize the Maximum, Minimum reading with recall.		

ELECTRICAL SPECIFICATIONS		
Resolution/ ranges	0.1°C 0.1 °F	- 20 °C to 400 °C -4 °F to 752 °F
Accuracy	± 3 % of reading or ± 3°C (± 5 °F), which ever is greater. <i>1. Accuracy test under the measurement range within - 10 °C to 350 °C . 2. Meter operating temp. within 23 ± 5 °C and the emissivity value of target set to 0.95. 3. Spec. tested under the 20 cm dia. black body, the measuring distance from the probe sensing Head is 30 cm.</i>	
Temp. Sensor	Thermocouple pie.	
Emissivity	By push button. Setting range : 0.20 to 1.00. The default emissivity value is 0.95, which will cover 90% of a typical application.	
Measurement Wave length Region	6 to 12 micro meter.	
Distance Factor	D/S : Approx. 7:1. * D - Distance, S - Spot.	

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

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