

**0.1 degree, Laser guide**

# **INFRARED THERMOMETER**

**Model : TM-919AL**

**ISO-9001, CE, IEC1010**



## **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.



**Lutron**

**LUTRON ELECTRONIC**

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

***The Art of Measurement***

# Laser light guide, 0.1 degree Infrared THERMOMETER

## Model : TM-919AL

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### 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	- 20 °C to 400 °C
	0.1 °F	-4 °F to 752 °F
Accuracy	± 3 % of reading or ± 3°C ( ± 5 °F), which ever is greater. 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.	
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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