INFRARED THERMOMETER
Model : TM-919

1. FEATURES

* Non-contact temperature measurement, -10 ℃ to 300 ℃ (14 ℉ to 572 ℉), precision for none contact temperature measurement.
* ℃, ℉ display unit, select by front push button.
* LCD display, easy readout.
* A factory preset emissivity value to 0.95, which will cover 90% of a typical application.
* Microprocessor circuit assures maximum possible accuracy, provides special functions & features.
* Gun type, heavy duty & compact housing case.
* Records Maximum & Minimum readings with recall.
* Data hold.
* Operates from OO6P DC 9V battery.

2. SPECIFICATIONS

2-1 General Specifications

Circuit	Custom one-chip of micro- processor LSI circuit.
Display	11 mm (0.43 ") LCD, 4 digit.
Sampling Time	Approx. 1 sec.
Memory Recall	Records Maximum & Minimum readings with recall.
Special function	Data hold, % (Relative).
Operating Temp.	0 ℃ to 50 ℃(32 ℉ to 122 ℉).
Operating Humidity	Less than 80% RH.
Power Current	Approx. DC 12 mA.
Power Supply	DC 9V heavy duty battery, 006P, MN1604(PP3) or equivalent.
Weight	265 g/0.6 LB.
Dimension	195 x 120 x 58 mm. (7.7 x 4.7 x 2.3 inch).
Accessories included	Instruction manual.....1 PC.

2-2 Electrical Specifications for Infrared Thermometer

Measurement Range	-10 ℃ to 300 ℃ / 14 ℉ to 572 ℉.
Resolution/	1℃ or 1℉.
Accuracy	3 % of reading or 3℃ which ever is greater. * *Within 23 ±5 ℃ ambient operating temp. & the emissivity value is 0.95.* * *Spec. tested under the 20 cm dia. black body, the measuring distance from the Probe sensing Head is 30 cm.* * *Spec. tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.*
Temp. Sensor	Thermocouple pie.
Emissivity Setting	0.95
Measurement Wave length Region	6 to 12 micro meter.
Distance Factor	D/S : Approx. 7:1. D - Distance, S - Spot.