



INFRARED THERMOMETER

Model : TM-909

FEATURES	
* Non-contact temperature measurement, -10 °C to 350 °C (14 °F to 662 °F), precision for none contact temperature measurement.	* A factory preset emissivity value to 0.95, which will cover 90% of a typical application.
* Build in the type k thermometer, wide range, -50 °C to 1230 °C, precision for direct temp. measurement.	* Microprocessor circuit assures maximum possible accuracy, provides special functions & features.
* 0.1min. resolution for infrared thermometer.	* Gun type, heavy duty & compact housing case.
* °C, °F display unit, select by front push button.	* Records Maximum & Minimum readings with recall.
* Emissivity adjustment from 0.10 to 0.95,	* Data hold.
* LCD display, easy readout.	* Auto shut off saves battery life.
	* Operates from 006P DC 9V battery.

GENERAL SPECIFICATIONS			
Circuit	Custom one-chip of micro-processor LSI circuit.	Power Supply	006P DC 9V battery (Heavy Duty Type) or equivalent.
Display	11 mm (0.43 ") LCD, 4 digit.	Weight	265 g/0.6 LB.
Sampling Time	Approx. 1 sec.	Dimension	195 x 120 x 58 mm. (7.7 x 4.7 x 2.3 inch).
Memory Recall	Records Maximum & Minimum readings with recall.	Accessories included	Instruction manual..... 1 PC. Hard carrying Case..... 1 PC.
Operating Temp.	0 °C to 50 °C(32 °F to 122 °F).	Optional type k Temp. Probe	TP-01, TP-02A, TP-03, TP-04
Operating Humidity	Less than 80% RH.		
Power Current	Approx. DC 12 mA.		

ELECTRICAL SPECIFICATIONS for INFRARED THERMOMETER				
Resolution/ ranges	1°C	- 10 °C to 350 °C	Emissivity Setting	0.10 to 0.95, a factory preset emissivity value to 0.95, which will cover 90% of a typical application.
	1°F	14 °F to 662 °F		
	0.1°C	- 10.0 °C to 110.0 °C		
	0.1°F	14.0 °F to 230.0 °F		
Accuracy ≤ 300 °C	± 2 % of reading or 2°C (3 °F), which ever is greater. * Within 23 ± 5°C ambient operating temp. & a known blackbody emissivity).		Measurement Wave length Region	6 to 12 micro meter.
Temp. Sensor	Thermocouple pie.		Distance Factor	D/S : Approx. 7:1. D - Distance, S - Spot.

ELECTRICAL SPECIFICATIONS for TYPE K THERMOMETER				
Resolution & Range	1°C	-50 °C to 1230 °C	Sensor Type	Thermocouple K(NiCr-NiAl).
	1°F	-50 °F to 1999 °F	Linearity	Memory the type k curve into the CPU memory, intelligent.
Accuracy (23 ± 5 °C)	°C	± (1 % + 1 °C)	Correction	
	°F	± (1 % + 2 °F)		

THERMOCOUPLE PROBE (type K), optional				
TP-01	-40 °C to 250 °C (300 °C short-term). Ultra fast response naked-bead probe.		TP-03	-50 °C to 1200 °C (-50 °F to 2200 °F). High temperature, Penetration & immersion.
TP-02A	-50 °C to 900 °C (-50 °F to 1650 °F). Penetration & Immersion applications.		TP-04	-50 °C to 400 °C (-50 °F to 752 °F). Precision surface temp. measurement usage.