

High Temperature, 650 °C

INFRARED THERMOMETER

Model : TM-949

ISO-9001, CE, IEC1010

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The Art of Measurement

High Temperature Infrared THERMOMETER

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FEATURES	
* -20 °C to 650 , Wide range IR temperature measurement.	* Data hold function for stored the desired value on display. * Build the REL button, useful for relative measurement.
* Infrared thermometer, non-contact temperature measurement, -20 °C to 650 °C (-4 °F to 1202 °F), precision for none contact temperature measurement.	* Memory function to record the maximum & minimum reading with recall. * RS 232 data output, easy cooperate with computer.
* Emissivity adjustment for IR thermometer.	* Optional data acquisition software for data record.
* Laser guide for IR thermometer.	* Auto power shut off saves battery life.
* Red laser target guide easy for the target identification.	* Built-in low battery indicator.
* Microcomputer circuit with high performance.	* Heavy duty & compact housing case with stand.
* Build in °C & °F select button on the front panel.	* Operates from 006P DC 9V battery.

GENERAL SPECIFICATIONS			
Display	51 mm x 32 mm supper large LCD display, 15 mm (0.6") digit size.	Distance Factor	D/S ratio : Approx. 7 : 1. * D - Distance, S - Spot.
		Over Indication	Show " - - - - ".
Measurement	Infrared thermometer (Non contact temperature measurement)	Data Output	RS232 PC serial interface.
Functions	°C, °F, Data hold, Memory (Max., Min.), Relative measurement, Emissivity adjustment (IR thermometer).	Power Supply	Alkaline or heavy duty type, DC 9V battery, 006P, MN1604 (PP3) or equivalent.
		Power Consumption	Approx. DC 11 mA (laser guide off). Approx. DC 16 mA (laser guide on).
Circuit	Exclusive microcomputer circuit, the software build in linearity correction instead the traditional hardware circuit.	Operating Temperature	0 to 50 °C (32 to 122 °F).
		Operating Humidity	Less than 80% RH.
Emissivity Adjustment	Range : 0.20 to 1.00. Adj. by pushing button on front panel.	Weight	220 g/0.48 LB.
Laser Guide	Red laser light, less than 1 mW, Meet EN60825	Dimension	HWD 215 x 68 x 30 mm . (8.5 x 2.7 x 1.2 inch).
Sampling Time	Approx. 1 second.	Standard	Operational manual.....1 PC.
Hold Function	To freeze the display reading value.	Accessory	Optional * Carrying case, Model : CA-06, CA-03.
Memory Recall	Memorize the Maximum, Minimum reading with recall.	Accessories	* RS232 cable, Model : UPCB-02. * USB cable, Model : USB-01 * Application software, windows version. Model : SW-U801-WIN
IR Sensor	Thermocouple pie.		
Measurement Wave Length Region	6 to 12 micro meter.		

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)		
Range	Resolution	Accuracy
- 20 °C to 650 °C	1 °C	- 20 °C to 400 °C : ± 3% of reading or ± 3°C (5°F)
-4 °F to 1202 °F	1 °F	≥400 °C ± 3% of reading

OPTIONAL ACCESSORIES	
Carrying Case, CA-06	Model : CA-06, Hard carrying case
Carrying Case, CA-03	Model : CA-03, Vinyl soft carrying case.
RS232 cable, UPCB-02	RS232 cable for connecting between the meter & the computer.
Application Software, SW-U801-WIN	Windows software apply as the performance of data logging system & data recorder...

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

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