METRAVI | DIGITAL CONTACT CUM NON-CONTACT INFRARED THERMOMETER WITH WIRELESS USB PC INTERFACE FACILITY | *MT-13*

INTRODUCTION

MT-13 IR Thermometer offers non-contact (infrared) temperature measurements capability. The built-in laser pointer increases target accuracy while the backlight LCD and handy push-buttons combine for convenient, ergonomic operation. Type K thermocouple functionality is also built-in.

This instrument can be used both as NON-CONTACT and CONTACT type infra red thermometer. The emissivity of unknown object can be automatically calculated. It has a wireless USB PC Interface (RF 433MHz). It comes along with the PC Interface adaptor and software. It has trigger lock facility for continuous measurement of temperature and a tripod stand is provided so that it can be used for on-line data recording.

FEATURES

- Precise non-contact temperature measurement
- Type K temperature Measurement
- Unique flat surface, modern housing design
- Built-in laser pointer
- Automatic Data Hold
- Automatic Power Off
- ºC / ºF switch
- Emissivity Digitally adjustable from 0.10 to 1.0
- MAX, MIN, DIF, AVG record
- LCD with Backlight
- Automatic range selection
- Resolution 0.1ºC (0.1ºF)
- Trigger lock
- High and Low alarm
- Obtain Emissivity
- Wireless USB Interface (RF 433MHz)
- 230V AC Adaptor for main operation

WIDE RANGE APPLICATION:
Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen printing, measure ink and Dryer temperature, HVAC/R, Diesel and Fleet maintenance.

Response time	less than 1 second
Spectral response	8 ~ 14um
Emissivity	Digitally adjustable from 0.10 to 1.0
Over range indication	LCD will show "-0L","0L"
Polarity	Automatic (no indication for positive polarity); Minus (-) sign for negative polarity
Diode laser	output <1mW
Wavelength	630 ~ 670nm
Class 2 (II) laser product	
Operating temp.	0 to 50ºC (32 to 122 ºF)
Storage temp.	-20 to 60ºC (-4 to 140 ºF)
Relative humidity	10% ~ 90% RH operating, <80% RH storage
Power supply	9V battery, NEDA 1604A or IEC 6LR61, or equivalent
Weight	290g (10.2 oz.)
Size	100 x 56 x 230mm (3.9 x 2.2 x 9.0")
Safety	"CE" Comply with EMC

Note:
- Accuracy: Given at 18 to 28 oC (64 to 82 ºC), less than 80 % RH.

SPECIFICATIONS

TK Measurement

Temperature range	-50 to 1370 ºC (-58 to 2498 ºF)	
Resolution	-50 to 1370 ºC	0.1 ºC
	-58 to 1999 ºF	0.1 ºF
	2000 to 2498 ºF	1 ºF
Accuracy	-50 to 1000 ºC	± 1.5% of reading + 3 ºC (±5 ºF)
	1000 to 1370 ºC	± 1.5% of reading + 2 ºC (± 3.6 ºF)

IR Measurement

Temperature range		50 to 1050 ºC (-58 to 1922 ºF)
D: S		30:1
Resolution		0.1 ºC (0.1 ºF)
Accuracy	-50 to -20 ºC (-58 to -4 ºF):	±5ºC (±9 ºF)
	-20 to 200 ºC (-4 to 392 ºF):	± 1.5% of reading + 2 ºC (± 3.6 ºF)
	200 to 538 ºC (392 to 1000 ºF):	± 2.0% of reading + 2 ºC (± 3.6 ºF)
	538 to1050 ºC (1000 to 1922 ºF):	± 3.5% of reading ± 5 ºC (± 9 ºF)

*Technical Specifications & Appearance are subject to change without prior notice

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