

INTRODUCTION

MT-8 is capable of non-contact (infrared) temperature measurements at the touch of a button. The built-in laser pointer increases target accuracy while the backlight LCD and handy push-buttons combine for convenient, ergonomic operation. The Non-contact Infrared Thermometers can be used to measure the temperature of objects' surface that is improper to be measured by traditional (contact) thermometer (such as moving object, the surface with electricity current or the objects which are uneasy to be touched.)



FEATURES

- Rapid detection function
- Precise non-contact measurements
- Dual laser sighting – indicates diameter of target whose temperature is displayed
- Unique flat surface, modern housing design
- Automatic Data Hold
- °C / °F switch
- Emissivity Digitally adjustable from 0.10 to 1.0
- MAX temperature displays
- Backlight LCD display
- Automatic selection range and Display Resolution 0.1°C (0.1°F)
- Trigger lock
- Set high and low alarms

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

SPECIFICATIONS

Temperature range	-50 to 1000°C (-58°F ~ 1832°F)
D : S	20:1
Display resolution	0.1°C (0.1°F) <1000, 1° >1000
Accuracy for targets:	
Ambient operating temperature of 23 to 25°C	
	-50 ~ 20°C (-58 °F ~ 68°F) ± 2.5°C (4.5°C)
	20°F ~ 300°F (68°C ~ 572°F) ± 1.0%
	± 1.0°C (1.8°F)
	300 °C ~1000 °C (572 °F~1832 °F) ±1.5%
Repeatability	-50 ~ 20 °C (-31 ~ 68 °F) : ± 1.3 °C (2.3 °F)
	20 ~ 1000 °C (68 ~ 1832 °F) :
	± 0.5% or ± 0.5 °C (0.9 °F)
Response time	150ms
Spectral response	8 ~ 14um

Emissivity Digitally adjustable from 0.10 to 1.0

Over range indication LCD will show "----"

Polarity Automatic (no indication for positive polarity);

Minus (-) sign for negative polarity

Diode laser output <1mW

Wavelength 630 ~ 670nm,

Class 2 laser product

Operating temp. 0 to 50 °C (32 to 122 °F)

Storage temp. -10 to 60 °C (14 to 140 °F)

Relative humidity 10% ~ 90% RH operating,

<80%RH storage

Power supply 9V battery, NEDA 1604A or IEC 6LR61, or equivalent

Safety " CE " Comply with EMC

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

