

INTRODUCTION

The MT-15 Industrial Infrared Thermometer and Pyrometer is capable of measuring non-contact temperatures of moving objects without going near the objects. Like surfaces with electric currents, objects that are hard to reach or constantly changing temperature, etc.

It is capable of non-contact infrared temperature measurements at the touch of a button.

The built-in dual laser pointer increases target accuracy while the back lit LCD display and handy push buttons combine for convenient, ergonomic operations.

It can be used as a contact-type thermometer as well, using a K type thermocouple.



FEATURES

- Rapid Detection Function
- Dual Laser Pointer to show the area of the object for which temperature is being measured
- Precise Non-contact and Contact type measurements
- Unique flat surface, modern design
- Automatic Data Hold function
- MAX / MIN / AVG / DIF temperature displays
- Digitally adjustable Emissivity from 0.10 to 1.00
- Automatic Selection Range
- Display resolution 0.1°C (0.1°F)
- Trigger Lock facility
- High and Low Alarm
- Data Logger for 100 data points
- Transmit data to PC with USB interface
- Low battery indication



SPECIFICATIONS

TK Temperature

TK Temp. Range	: -50°C to 1370°C (-58°F ~ 2498°F)
Accuracy	: -50°C ~ 1000°C ± 1.5% of reading ± 3°C (±5°F) 1000°C ~ 1370°C ± 1.5% of reading ± 2°C (±3.6°F)
Resolution	: 0.1°C (0.1°F) <1000 1°C (1°F) >1000
Repeatability	: -50°C ~ 1370°C (-58°F ~ 2498°F) ± 1.5% of reading

IR Measurement

IR Temp. Range	: -50°C to 1200°C (-58°F ~ 2192°F)
D:S	: 50:1
Display Resolution	: 0.1°C (0.1°F) <1000 1°C (1°F) >1000
Accuracy	: -50°C ~ 20°C (-58°F ~ 68°F) ±3°C (5.4°F) 20°C ~ 500°C (68°F ~ 932°F) ±1.0% ±1.0°C (1.8°F) 500°C ~ 1200°C (932°F ~ 2192°F) ± 1.5% ±2.0°C (3.6°F)

Note: Accuracy is given at 23°C to 28°C (73°F to 82°F), less than 80%RH.

Repeatability	: -50°C ~ 20°C (-58°F ~ 68°F) ± 1.5°C (2.7°F) 20°C ~ 1200°C (68°F ~ 2192°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 (II) Laser product
Operating Temperature	: 0°C to 50°C (32°F to 122°F)
Storage Temperature	: -10°C to 60°C (14°F 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

