

INTRODUCTION

IR VIDEO Thermometer which is capable of non-contact (infrared) temperature measurements with visual camera 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 IR VIDEO Thermometer can be used to measure the surface temperature of the objects 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.). With USB PC Interface for data transfer.

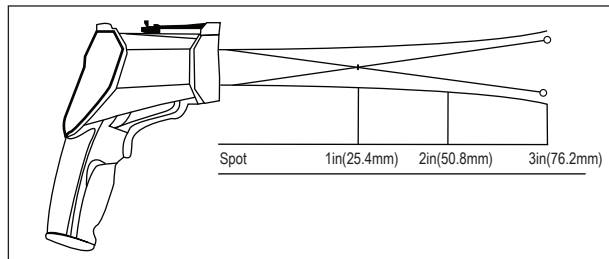
FEATURES

- 2.2" TFT LCD display
- 640*480 pixels
- Micro SD memory card
- Image (JPEG) and video (AVI)
- Humidity and Air Temperature
- Dual laser targeting
- Type-K thermocouple probe
- Adjustable emissivity
- High accuracy
- Fast response time
- Dewpoint temperature and Wet bulb temperature

Distance & Spot Size

As the distance (D) from the object increases, the spot size (S) of the area measured by the unit becomes larger. The relationship between the distance and the spot size for each unit is listed below.

The focal point for each unit is 914mm (36"). The spot sizes indicate 90% encircled energy.



SPECIFICATIONS

IR temperature measurement

- **Temperature Range** : -50 to 1850°C(-58 to 3362°F)
- **D:S** : 50:1
- **Accuracy** : ± 1 %± 1.0°C (1.8°F) 20 to 500°C (68 to 932°F)
± 1.5% 500 to 1 000°C (932 to 1832°F)
± 2.0% 1000 to 1850°C (1832 to 3362°F)
± 3.5°C (6.3°F) -50 to 20°C (-58 to 68°F)

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

- **Display resolution** : 0.1°C (0.1°F) <1000
1 °C (1 °F) > 1 000
- **Repeatability** : ±1.5°C (2.7°F) -50 to 20°C (-58 to 68°F)
±0.5% or ±0.5°C (0.9°F) 20 to 1000°C (68 to 1832°F)
± 1.0% 1000 to 2200°C (1832 to 3992°F)
- Response Time** : 150mS
- Spectral Response** : 8-14um
- Emissivity** : Digitally adjustable from 0.1 to 1.00

Type-K temperature measurement

- Temperature Range** : -50 to 1370°C (-58 to 2498°F)
- Accuracy** : ± 0.5%±1.5°C (2.7°F) 0 to 1370°C (32 to 2498°F)
± 2.5°C (4.5°F) -50 to 0°C (-58 to 32°F)
- Display resolution** : 0.1°C (0.1 °F) < 1 000
1°C (1 °F) > 1 000

Air Temperature And Relative Humidity Measurement

- Air Temperature Range** : 0 to 50°C (32 to 122°F)
- Dewpoint Temperature Range:** 0 to 50°C (32 to 122°F)
- Relative Humidity Range** : 0 to 100% RH
- Air temperature Accuracy** : ± 0.5°C (0.9°F) 10 to 40°C
± 1.0°C (1.8°F) others
- Dewpoint temperature Accuracy** : ± 0.5°C(0.9°F) 10 to 40°C
± 1.0°C(1.8°F) others
- Relative Humidity Accuracy** : ± 3% RH 40% to 60%
± 3.5% RH 0% to 40% and 60% to 80%
± 5% RH 0% to 20% and 80% to 100%
- Operating Temperature** : 0 to 50°C(32 to 122°F)
- Storage Temperature** : -10 to 60°C(14 to 140°F)
- Relative Humidity** : 10 to 90%RH non-condensing
- Display** : 2.2" 320*240 color LCD with backlight

Power

- Battery** : Rechargeable battery
- Battery Life** : About 4 hours continuous use
- Battery Charge Time** : About 2 hours with AC adapter or USB connection
- Size(H*W*L)** : 205mm*62mm*155mm
- Weight** : 410g



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