



English

Product Datasheet

Stock No: 2003700

**IR Thermometer 2200°C, TFT color LCD,
video/camera function**

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Introduction

Thank you for purchasing the 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.)

Proper use and care of this meter will provide years of reliable service.

FEATURES

- *2.2" TFT LCD display*
- *640*480 pixels (30 million 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*

Specifications

IR temperature measurement

Temperature Range	-58 to 1832°F (-50 to 1000°C)
	-58 to 2912°F (-50 to 1600°C)
	-58 to 3992°F (-50 to 2200°C)
D: S	50:1
Accuracy	$\pm 1 \pm 1.8^\circ\text{F}$ ($\pm 1.0^\circ\text{C}$) 68 to 932°F (20 to 500°C)
	± 1.5 □ 932 to 1832°F (500 to 1000°C)
	± 2.0 □ 1832 to 4172°F (1000 to 2300°C)
	$\pm 6.3^\circ\text{F}$ ($\pm 3.5^\circ\text{C}$) -58 to 68°F (-50 to 20°C)
Display resolution	0.1°F (0.1°C) <1000
	1°F (1°C) >1000
Repeatability	$\pm 2.7^\circ\text{F}$ (1.5°C) -58 to 68°F (-50 to 20°C)
	± 0.5 □ or $\pm 0.9^\circ\text{F}$ (0.5°C) 68 to 1832°F (20 to 1000°C)
	± 1.0 □ 1832 to 4172°F (1000 to 2300°C)
Response Time	150mS
Spectral Response	8 ~14μm
Emissivity	Digitally adjustable from 0.10 to 1.00

Type-k temperature measurement

Temperature Range	-58 to 2498°F (-50 to 1370°C)
Accuracy	$\pm 1 \pm 1.8^\circ\text{F}$ ($\pm 1.0^\circ\text{C}$) 68 to 932°F (20 to 500°C)
	± 1.5 □ 932 to 1832°F (500 to 1000°C)
Display resolution	$\pm 0.5 \pm 2.7^\circ\text{F}$ (1.5°C) 32 to 2498°F (0 to 1370°C)
	$\pm 4.5^\circ\text{F}$ (2.5°C) -58 to 32°F (-50 to 0°C)
Display resolution	0.1°F (0.1°C) <1000
	1°F (1°C) >1000

Air temperature and Relative Humidity measurement

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

POWER

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

Accessories:

3.7V Li battery, Type K Temp. probe, USB cable, Carrying case and Gift box