



درمفشش الکتریک
Derakhshesh Electric de

This infra Red VIDEO Thermometer is capable of non-contact (infrared) temperature measurements with visual camera (for both still and video photography) 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.

This 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.)

High Distance to sighting ratio helps to measure temperature of small targets from larger distance. The Dual Laser helps to understand the diameter of the area whose temperature is being measured. For precise temperature measurement we need to make sure that both the lasers fall within the target.

Adjustable emissivity helps to measure temperature of wide variety of substances. With JPEG and AVI record function it becomes easier to establish and record time related events with proof.

Has Fast Response of 150ms which helps in detecting fast moving events in temperature profiling.



DT-9860S / 9862S

PROFESSIONAL INFRA RED VIDEO THERMOMETER WITH TFT COLOR DISPLAY & CAMERA FUNCTION

- I 2.2" TFT LCD display
- I 640*480 pixels (30 million pixels)
- I MicroSD memory card
- I Image (JPEG) and video (AVI)
- I Humidity and Air Temperature measurement
- I Dual laser targeting
- I Type-K thermocouple probe
- I Adjustable emissivity
- I High accuracy
- I Fast response time
- I Dewpoint temperature and Wet bulb temperature measuring facility

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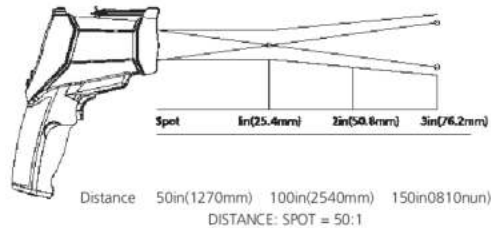


Application

Food preparation, Safety and Fire inspectors, Furnace Temperature Measurement, Molten Metal Temperature measurement, Plastic molding, Asphalt, Marine and Screen printing, measure ink and Dryer temperature, HVAC/R, Diesel and Fleet maintenance.

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 distance and spot size for each unit is listed below. The focal point for both the models is 914mm (36"). The spot sizes indicate 90% encircled energy



Technical Specifications

Accuracy: Given at 18°C to 28°C (64°F to 82 °F), less than 80% RH

IR Measurement	DT-9860S	DT-9862S
Temperature Range	-50 to 1000°C(-58 to 1832°F)	-50 to 2200°C(-58 to 3992°F)
D:S	50:1	50:1
Accuracy	±1%±1.0°C(1.8°F)	20 to 500°C (68 to 932°F)
	±1.5%	500 to 1000°C (932 to 1832°F)
	±2.0%	1000 to 2200°C (1832 to 3992°F)
	±3.5°C(6.3°F)	-50 to 20°C (-58 to 68°F)
Display resolution	0.1°C(0.1°F)	<1000
	1°C (1°F)	>1000
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 form 0.10 to 1.00	
TK Measurement	DT-9860S	DT-9862S
Temperature Range	50 to 1370°C (-58 to 2498°F)	
Accuracy	±0.5%±1°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)	<1000
	1°C(1°F)	>1000

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Professional Infra Red Video Thermometer
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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 Backlit

Power Requirement

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



Accessories

- Hard Carrying Case
- Tripod Stand
- 3.7V Li battery
- Type K Temp. probe
- USB cable, Software
- instruction manual and Test Certificate



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