



This Infra Red Thermometer 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 Thermometer 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.)

DT-8886 / DT-8886H / DT-8887H

HIGH TEMPERATURE NON CONTACT INFRA RED THERMOMETER WITH USB PC INTERFACE

- | Rapid detection function
- | Precise non-contact measurements
- | Dual laser sighting
- | Unique flat surface, modern housing design
- | Automatic Data Hold
- | Emissivity Digitally adjustable from 0.10 to 1.0
- | MAX, MIN, AVG, DIF temperature displays
- | Backlight LCD display
- | Automatic selection range and Display Resolution 0.1°C (0.1°F)
- | Trigger lock
- | Set high and low alarms
- | Data logger (LOG)
- | Transmit data to PC with USB Interface
- | Can be used as contact type thermmometer also

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High Temperature Non Contact Infra Red
Thermometer With USB PC Interface



Application

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.

Technical Specifications

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

IR Measurement	DT-8886		DT-8886H		DT-8887H	
IR Temp. Range	-50 to 1200°C (-58 to 2192°F)		-50 to 1850°C (-58 to 3362°F)		-50 to 2200°C (-58 to 3992°F)	
Optical Resolution	50:1		50:1		50:1	
Resolution	0.1°C (0.1°F) < 1000; 1°C (1°F) > 1000		0.1°C (0.1°F) < 1000; 1°C (1°F) > 1000		0.1°C (0.1°F) < 1000; 1°C (1°F) > 1000	
Accuracy	-50 to 20°C (-58 to 68°F)	±3°C (5.4°F)	-50 to 20°C (-58 to 68°F)	±3°C (5.4°F)	-50 to 20°C (-58 to 68°F)	±3°C (5.4°F)
	20 to 500°C (68 to 932°F)	±1.0% ± 1.0°C (1.8°F)	20 to 500°C (68 to 932°F)	±1.0% ± 1.0°C (1.8°F)	20 to 500°C (68 to 932°F)	±1.0% ± 1.0°C (1.8°F)
	500 to 1200°C (932 to 2192°F)	±1.5%	500 to 1000°C (932 to 1832°F)	±1.5%	500 to 1000°C (932 to 1832°F)	±1.5%
Repeatability	-50 to 20°C (-58 to 68°F)	±1.5°C (2.7°F)	-50 to 20°C (-58 to 68°F)	±1.5°C (2.7°F)	-50 to 20°C (-58 to 68°F)	±1.5°C (2.7°F)
	20 to 1200°C (68 to 2192°F)	±0.5% or ± 0.5°C (0.9°F)	20 to 1850°C (68 to 3362°F)	±0.5% or ± 0.5°C (0.9°F)	20 to 2200°C (68 to 3992°F)	±0.5% or ± 0.5°C (0.9°F)
TK Measurement	DT-8886		DT-8886H		DT-8887H	
TK Temp. Range	-50 to 1370°C (-58 to 2498°F)					
Resolution	0.1°C (0.1°F) < 1000; 1°C (1°F) > 1000					
Accuracy	-50 to 1000°C (-58 to 1832°F)	±1.5% ±3°C(5°F)				
Repeatability	1000 to 1370°C (1832 to 2498°F)	±1.5% ± 2°C(3.6°F)				
	-50 to 1370°C (-58 to 2498°F)	±1.5%				

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 Temperature	: 0 to 50°C (32 to 122°F)
Storage Temperature	: -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

Accessories

Battery, Hard Carrying Case, Instruction Manual, K- Type Bead Type Probe, USB PC Interface Cable, Software, Tripod Stand



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