This IR 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 Thermometers 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.) The dual laser helps to identify the area of the target whose temperature is being measured. Both the lasers should fall within the target whose temperature is being measured.

This device is provided with vision alarm function. During measurement, if the measured temperature is higher or lower than the set High Alarm temperature value / Low Alarm temperature value, red LED will flash on the LCD. This will randomly show the temperature profile of the measurements being made. This is very useful at places where random temperature is to be measured and is to be maintained within set values.

DT-8862B / DT-8863B

PROFESSOINAL INFRA RED THERMOMETER WITH DUAL LASER

l Rapid detection function

l Precise non-contact measurements

l Dual laser sighting

l Unique flat surface, modern housing design

l Automatic Data Hold

l °C/°F switch

l Emissivity Digitally adjustable from 0.10 to 1.0

l MAX temperature displays

l Backlight LCD display

l Automatic selection range and Display Resolution 0.1°C (0.1°F)

l Trigger lock

l Set high and low alarms

l Backlit LCD Display color changes with respect to measurement temperature as compared to LOW and HIGH Set temperature
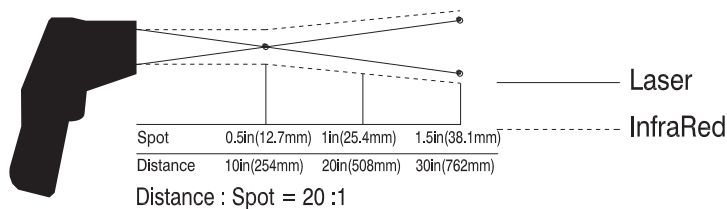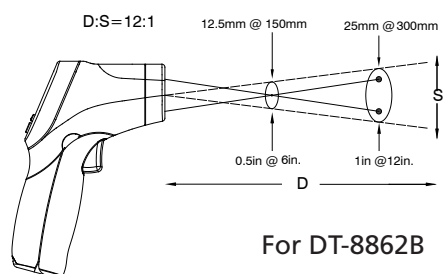
DT-8862B / DT-8863B

Professoinal Infra Red Thermometer with Dual Laser

Wide Range Application

Food preparation, Safety and Fire inspectors, 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 each unit is 914mm (36"). The spot sizes indicate 90% encircled energy..

For DT-8862B

For DT-8863B

Technical Specifications

Parameters	DT-8862B	DT-8863B
Temperature Range	-50 to 650°C (-58 ~ 1202°F)	-50 to 800°C (-58 ~ 1472°F)
D:S	12:1	20:1
Display Resolution	0.1°C (0.1) <1000	
	1 >1000	
Accuracy		
-50 to 20°C (-58 to 68°F)	±2.5 (4.5)	
20 to 300°C (68 to 572°F)	±1.0% ±1.0 (1.8)	
300 to 650°C (DT-8862B)/ 800 (For DT-8863B) (572 to 1202 / 1472°F)	±1.5%	
Repeatability		
-50 to 20°C (-58 to 68°F)	±1.3 (2.3)	
20 to 650°C (DT-8862B)/ 800 (For DT-8863B) (68 to 1202 / 1472°F)	±0.5% or ±0.5 (0.9)	
Response Time	150ms	
Spectral Response	8 ~ 14μm	
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°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	

Accessories

Carrying Case, Instruction Manual, Test Certificate and Battery.

CEM