

LOW TEMPERATURE THERMOMETER

TB-550

FEATURES

- 1 Low cost
- 2 Light weight
- 3 Built-in laser pointer
- 4 °C/°F switchable display
- 5 Target to distance ratio of 1:8
- 6 MAX, MIN temperature displays
- 7 Auto 0.1 °C/1°C resolution switching
- 8 Automatic Data Hold & Auto power off



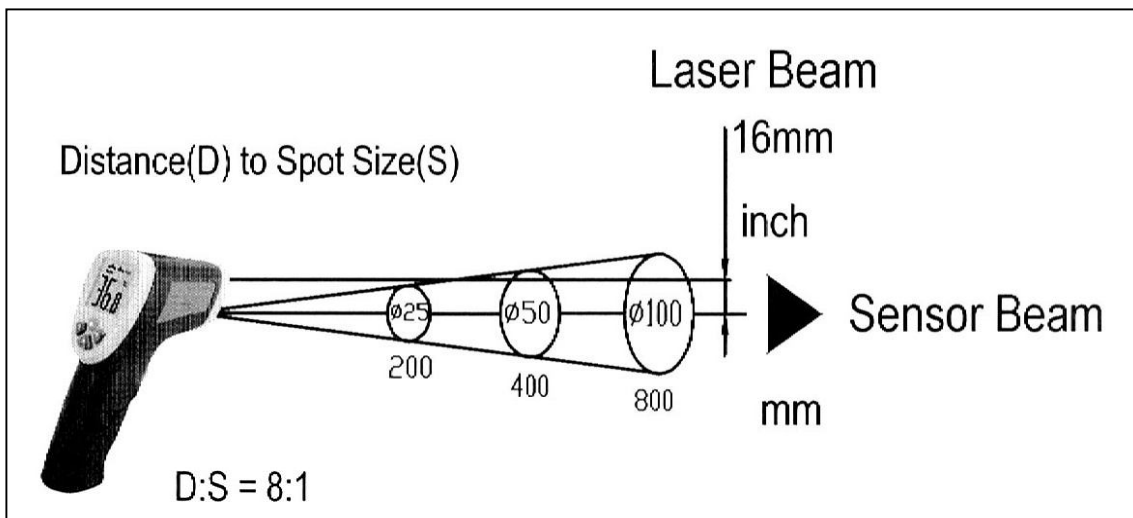
DESCRIPTION

TB-550 is a low cost infrared thermometer for non-contact temperature measurement of an object. Just by pointing the thermometer on to the object and pressing a trigger, surface temperature of the object is instantly displayed on the LCD Panel. TB-550 can also compute max & min temperature reading of the surface. Built-in laser pointer helps to aim the target object.

APPLICATIONS

Temperature measurement during food preparation, Safety and over heat inspection for maintenance of moving objects, temperature observation during production process such as plastic molding, asphalt or rubber production, screen printing and other low temperature general purpose applications in various industries.

FIELD OF VIEW



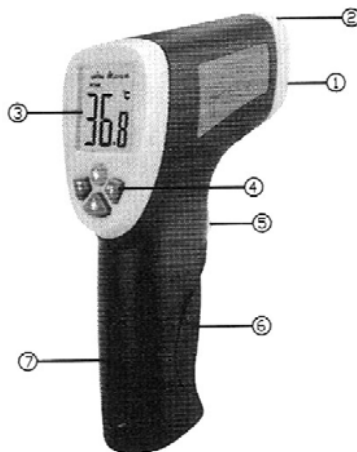
TECHNICAL SPECIFICATIONS

Model	TB-550			
Temperature Range	-50~550°C (-58~1022°F)			
Polarity	Automatic (no indication for positive polarity); Minus (-) sign for negative polarity			
Emissivity	0.95 fixed value			
Field of View	D/S =Approx.8:1 ratio (D= distance, S=spot) (Has 90% encircled energy at the focal point)			
Diode laser	Output <1mW, Wavelength 630~670nm, Class2 (II) Laser product			
Spectral response	6~14um			
Power off	Automatic shut off after 7 seconds, approx.			
Operating temp.	0 to 50°C (32 to 122°F)			
Storage temp.	-20 to 60°C (-4 to 140°F)			
Relative humidity	10%~90%RH operating, <80%RH storage			
Power supply	9V battery, NEDA 1604A or IEC 6LR61, or equivalent			
Weight	130g			
Size	86 x 46 x 160mm			
Display resolution	0.1°C (0.1°F)			
Range (Automatic selection 0.1°C/1°C)	-50.0°C to 550°C		-58°F to 1022°F	
	-50.0°C to -20°C	-20°C to 550°C	-58.0°F to -4.0°F	-4.0°F to 1022°F
Automatic Resolution	0.1°C/1°C		0.1°C/1°C	
Accuracy	±5°C	±2.0% of reading +2°C	±9°F	±2.0% of reading +2°C

Note: Accuracy is given at 18°C to 28°C (64°F to 82°F), less than 80%RH.

FRONT PANEL DETAIL

- ① IR sensor
- ② Laser sight
- ③ LCD Display
- ④ Laser select key
- ⑤ Measurement Trigger
- ⑥ Battery Cover
- ⑦ Handle



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