

Data Sheet

IR608 Infrared Thermometer



Point and press for quick and easy temperature measurement

The IR608 is an infrared thermometer with a laser pointer for easy targeting. A quick and effective diagnostic tool for identifying problems in a wide variety of applications

like HVAC/R, fire safety and protection, industrial maintenance automotive and quality control. The IR608 is robust yet lightweight with a solid ergonomic design.

- “Pistol grip design” for comfortable grip
- Small enough to fit in your pocket
- Measuring range – 18 °C to 400 °C (0 °F to 750 °F)
- Fixed emissivity at 0.95
- Laser sighting for accurate targeting (CE EN60825 certified Class II)
- Display hold
- Fast response time
- Distance to spot size ratio 8:1
- Accuracy to 2 %
- Backlit display

Specifications (assumes ambient operating temperature of 23°C (73°F))

Function	Range	Accuracy
Temperature		
	– 18 °C to 400 °C (0 °F to 750 °F)	
Temperature display	0.2 °C or 0.5 °F	
Targets	– 1 °C to 400 °C (30 °F to 750 °F)	± 2 % of reading or ± 2 °C (± 3.5 °F), whichever is greater
	– 18 °C to – 1 °C (0 °F to 30 °F)	± 3 °C (± 5 °F) at 23 °C (73 °F) ± 2 °C (± 3.5 °F)
Repeatability		± 2 % of reading or ± 2 °C (± 3 °F)
Response time	500 mSec, 95 % response	
Emissivity	Pre-set 0.95	
Spectral response	7 to 18 µm	
Ambient operating temperature	0 °C to 50 °C (32 °F to 120 °F)	
Relative Humidity	10 % to 95 % RH non condensing, @ up to 30 °C (86 °F)	

General Specifications

Storage temperature	– 20 °C to 65 °C (– 4 °F to 150 °F) without battery
Weight / Dimensions	227 g (0.5 lb); 152 mm x 101 mm x 38 mm (6 in x 4 in x 1.5 in)
Power	9 V Alkaline or NiCd battery
Typical Battery life (Alkaline)	12 hours
Distance to Spot Size	8:1
Low Battery Indicator	Battery icon appears in display
Warranty	One-year

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CE Certification

This instrument conforms to the following standards:

- EN 61326-1 Electromagnetic Emissions and Susceptibility
- EN 61010-1 General Safety
- EN 60825-1 Laser Safety