

Fluke 570 Precision Infrared Thermometers

Technical Specifications	
Temperature range	-30 to 900°C (-25 to 1600 °F)
Display Resolution	0.1°C of reading up to 900°C 0.2°F of reading up to 999.8°F
D:S (Distance to spot size)	60:1 Standard focus 50:1 Close focus
Minimum measurement diameter	19mm (0.76 in) Standard focus 6mm (0.24 in) Close focus
Laser sighting	Three point coaxial laser
Emissivity	Digitally adjustable from 0.10 to 1.0 by 0.01
Display Accuracy [Assumes ambient operating temperature of 23°C(73°F) to 25°C(77°F)]	±0.75% of reading ±1% of reading or ±0.75°C (±1.5°F), whichever is greater
Response time	250 mSec (95% of reading)
Repeatability	±0.5% of reading or ±1°C (±2°F), whichever is greater
Spectral response	8 µm to 14 µm
Laser Sighting	Laser turns off above ambient temperature of 40°C (104°F)
Laser Power	Class 2(II) operation; Output <1mW, wavelength 630-670 nm
Relative humidity	10% to 90% RH non-condensing, at <30°C (86°F)
Tripod mount	¼ in. 20 UNC threading
Power	Fluke 572: 2 AA batteries Fluke 574: 2 AA batteries/ AC adapter Fluke 576: 2 AA batteries/ USB
Battery life (alkaline)	Fluke 572: 13 hours with laser and backlight on 50% Fluke 574: 13 hours with laser and backlight on 50% Fluke 576: 8 hours (13 hours with photographic mode off) 50 photos with flash; 200 photos w/o flash
Display hold	7 seconds
LCD backlit	Yes
Warranty	2 years
Operating temperature	0°C to 50°C 32°F to 120°F
Storage temperature	-20°C to 50°C -25°F to 120°F
MAX, MIN temperatures	Yes

DIF, AVG temperatures	Fluke 572: No Fluke 574: Yes Fluke 576: Yes
Audible and visible alarms	Fluke 572: High Fluke 574: High and low Fluke 576: High and low
Bar graph display	Yes
Up to 100 points data logging	Fluke 572: No Fluke 574: Data only Fluke 576: Data plus photos
Data graphing and storage software (Windows compatible)	Fluke 572: No Fluke 574: Data only Fluke 576: Data plus photos