

Fluke 561 HVAC Infrared & Contact Thermometer

General Specifications	
Temperature	-40 to 550°C (-40 to 1022°F)
Display resolution	0.1°C (0.1°F) of reading
D:S (distance to spot size)	12:1
Easy emissivity selector	Adjustable with three settings:
	Low (0.3), medium (0.7), high (0.95)
Display accuracy [assumes ambient operating temperature of 23°C (73°F) to 25°C (77°F)]	±1.0% of reading ±1% of reading or ±1°C (±2°F), whichever is greater below 0°C / 32°F, ±1°C (±2°F) ±0.1°/1°
Response time	500 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	Single point laser
Laser shutoff	Laser turns off above ambient temperature of 40°C (104°F)
Laser power	Class 2(II) operation; Output < 1 mW, wavelength 630-670 nm
Relative humidity	10% to 90% RH non-condensing, at < 30°C (86°F)
Power, battery life	2 AA batteries (alkaline or NiCD)
Battery life	12 hours
Display hold	7 seconds

Backlit display	Yes, LCD with dual temperatures (current and MAX/MIN/DIF/KTC), low battery, F/C indicator, and Scan/Hold options
Warranty	2 years
Operating temperature	0°C to 50°C (32°F to 120°F)
Storage temperature	-20°C to 65°C (-25°F to 150°F)
MAX, MIN, DIF temperatures	Yes
Thermocouple Type K mini adapter input	Yes, compatible with industry standard K type probes with mini-connector. Displays to the thermometer temperature range.
Thermocouple Type K fabric hook-and-loop fastener pipe probe	Yes, with a temperature range of 0°C to 100°C (32°F to 212°F) and accuracy of $\pm 2.2^{\circ}\text{C}$ ($\pm 4^{\circ}\text{F}$)
HVAC measurement guide	Yes

