



## Contact Thermometer: Fluke 561 Infrared and Contact Thermometer

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#### 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 <1mW, 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 ±2.2 °C (±4 °F)
HVAC Measurement Guide	Yes