

**Features**



- IR thermometer for quick measurements up close, or at a distance, without a ladder
- Contact thermometry capability, compatible with all standard mini-connector type K thermocouples, preserves your investment in thermocouples
- Fabric hook-and-loop fastener pipe probe for superheat and sub-cooling and other contact and ambient measurements
- Single-point laser sighting
- Temperature range of -40 °C to 550 °C (-40 °F to 1022 °F) covers most industrial and residential applications
- Easy emissivity adjustment (Lo, Med, Hi) for measuring pipes and other shiny materials more accurately
- Lightweight (just 12 ounces/340 grams) and portable
- Very easy to use
- Efficient-no need to shut down equipment when making IR measurements
- MIN, MAX, and DIF functions help you quickly identify problems
- Scan large areas or small objects quickly and efficiently



**Specifications**

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 or ±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

**Fluke 561****Includes:**

- 561 IR thermometer
- K-Type thermocouple fabric hook-and-loop fastener pipe probe
- Hard carrying case
- 2 AA batteries
- Users manual