Combined Infrared and Contact Thermometer

The easy-to-use Fluke 561 combines the temperature measurement functions that professionals need for various heating, ventilation and air conditioning monitoring jobs, all in one tool. It provides both non-contact infrared (IR) and contact temperature measurements, replacing the need for multiple test tools. Use the IR thermometer to measure hot, moving, electrically energized and hard-to-reach objects instantly without the need for a ladder or having to shut down equipment. Use the unit’s Velcro pipe probe for easy contact measurements, or plug in any industry-standard K-type mini-connector thermocouple you already have.

- IR thermometer for quick measurements up close or at a distance
- Single-point laser sighting
- Easy emissivity adjustment for measuring pipes and ducts more accurately
- Includes a Velcro pipe probe for superheat and subcooling as well as other surface contact measurements
- Also compatible with all standard mini-connector K-type thermocouples
- MIN, MAX and DIFF temperature readings
- Lightweight (only 340 grams) and portable
- Includes measurement guide

### Specifications

- **Temperature range**: -40° to 550°C
- **Display resolution**: 0.1° 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° to 25°C)**: ± 1.0% of reading or ± 1°C, whichever is greater
- **Response time**: 500 mSec (95% or reading)
- **Repeatability**: 0.5% of reading ± 1°C, whichever is greater
- **Spectral filter**: 8 µm to 14 µm
- **Laser sighting**: Single-point laser
- **Laser shutter**: Laser turns off above ambient temperature of 40°C
- **Laser power**: Class 2 (II) operation; output < 1 mW, wavelength 630 nm to 670 nm
- **Relative humidity**: 10% to 90% RH non-condensing, at < 30°C
- **Power**: 2 AA batteries (alkaline or NiCD)
- **Display hold**: 7 seconds
- **Display**: LCD with dual temperatures (current and MAX/MIN/DIF/KT °C), low battery, F/C indicator, and Scan/Hold options
- **Temperature range**: 0° to 50°C
- **Storage temperature**: -20 to 65°C
- **MAX, MIN, DIFF temperature**: Yes
- **Thermocouple type K miniature input**: Yes, compatible with industry standard type K probes with mini-connector
- **Thermocouple type K Velcro pipe probe**: Yes, with a temperature range of 0° to 100°C and accuracy of ± 2.2°C
- **Measurement guide**: Yes

### Optional accessories

- **Battery Life (alkaline)**: 12 hours
- **Weight**: 340 grams
- **Two years warranty**

### Included accessories

- Thermocouple K-type Velcro pipe probe, hand carrying case, 2 AA batteries and user manual with measurement guide.

### Ordering information

Fluke 561 HVACPro Thermometer