

Multipurpose Thermometer



Fluke 561



The Fluke 561 includes everything you need for immediate inspections.

Combined Infrared and Contact Thermometer

The Fluke 561 combines the temperature measurement functions that industrial, electrical, and HVAC/R professionals need, all in one tool. It measures both IR and contact temperature, replacing several other test tools. It's fast, efficient, and easy to use, saving you valuable time and effort. With the Fluke 561, you can take contact and ambient temperatures in the way that's best for you. Use the IR thermometer to measure hot, moving, electrically energized, and hard-to-reach objects instantly. Check motors, insulation, breakers, radiant heating, pipes, corroded connections, and wires. Plus, scan ducts, and other hard-to-reach objects from the floor—leave your ladder in the truck. You can use the Fluke 561's handy Velcro® pipe probe or, plug in any industry standard, K-type mini-connector thermocouple probe you already own.

- 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 sub-cooling as well as other surface contact measurements
- Also compatible with all standard mini-connector K-type thermocouples
- MIN, MAX and DIF 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; below 0°C, ± 1°C, ± 1°/l° |
| Response time | 500 mSec (95% of reading) |
| Repeatability | ± 0.5% of reading or ± 1°C, whichever is greater |
| Spectral focus | 8 µm to 14 µm |
| Laser sighting | Single-point laser |
| Laser shutoff | 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 |
| Backlit display | Yes, LCD with dual temperatures (current and MAX/MIN/DIF/KTC), low battery, F/C indicator, and Scan/Hold options |
| Operating temperature | 0° to 50°C |
| Storage temperature | -20 to 65°C |
| MAX, MIN, DIF temperatures | Yes |
| Thermocouple type K mini-adapter 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 |

Battery Life (alkaline): 12 hours

Size (HxLxW): 176,9 mm x 163,6 mm x 51,8 mm

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

Recommended Accessories



H6



80-PK-1



80PK-8



80PK-25