



80T-IR Infrared Temperature Probe

The Fluke 80T-IR Infrared Temperature Probe is a low cost, non-contact temperature measurement accessory designed to work with any digital multimeter. It converts infrared light emitted by an object into a 1 mV dc per °C or °F signal.

The infrared probe has a selection switch for direct reading of temperature in °C or °F on the digital multimeter display.

The output of the infrared probe may be read on any DMM having a 10 MΩ or greater input impedance, a 3-digit display, and accepting standard diameter shrouded banana plugs. It is powered by a standard 9V battery, with typical battery life of 50 hours. The probe features an automatic shut-off after 10 minutes of operation to save battery life.

Temperature Range: -18°C to 260°C or 0°F to 500°F

Accuracy: ±3% (+3 digits) of reading

Repeatability: ±1% of reading

Emissivity: Fixed at .95

Response Time: 1 second

Optical Resolution: 4 to 1 distance to spot size

Output: 1 mV per °C or °F (switchable)

Power: 9V alkaline battery

Battery Life: 50 hours (Automatic shut-off after 10 minutes)

Ambient Operating Temperature: 0°C to 65°C

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