

Infrared Thermometer with Adjustable Emissivity

The OS880-Series handheld infrared thermometer is a non-contact temperature sensing thermometer. It measures from -30 to 550°C (-22 to 1022°F). This thermometer features a backlit display which is automatically illuminated when the trigger is pulled and allows working in poor or zero-lighting conditions. The single laser is also automatically active when the trigger is pulled. The displayed reading is continually updated as long as the trigger is held in and will “hold” on the last temperature seen when the trigger is released. The OS880-Series has adjustable emissivity, minimum value, maximum value, and averaging functions, as well as high and low alarm capability. This safely measures surface temperatures of hot, hazardous, or hard-to-reach objects without contact.



Features

- **Measurement range: -30 to 550°C (-22 to 1022°F)**
- **12:1 field of view**
- **Adjustable Emissivity: 0.10 to 1.00**
- **Single laser sighting and backlight LCD display**
- **“Hold” function retains the last reading**
- **Min, Max, Average and Differential readings**
- **Auto-power off to save on battery life**
- **Ideal for measuring in hard-to-reach, hot or hazardous areas**

Specifications

Measurement Range	-50 to 550°C (-58 to 1022°F)
Accuracy	±3°C or ±3% of rdg, -30°C to 0°C (-22 to 32°F) ±2°C or ±2% of rdg, 0°C to 100°C (32 to 212°F) ±3°C or ±3% of rdg, ≥100°C (212°F)
Display Resolution	0.1°C or 0.1°F
Response Time	500 ms (95% response)
Spectral Response	8 to 14 microns
Emissivity	Adjustable 0.10 to 1.00
Field of View	12:1
Operating Temperature	0 to 40°C (32 to 104°F)
Power	9V alkaline battery
Battery Life	12 hours typical (with laser use)
Dimensions	5.74 x 3.14 x 1.49 in (146 x 80 x 38 mm)
Weight	130g (4.5 oz) without battery

Model No. Description

OS-880-121	Essential handheld infrared thermometer, 12:1 FOV, -50 to 550°C
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Comes complete with 9V battery