



IR-450 Pocket Infrared Thermometer

3-in-1 Infrared Thermometer, Laser Pointer, and Flashlight

A must have tool for everyday applications, the Amprobe 3-in-1 Pocket Infrared Thermometer, Laser Pointer, and LED Flashlight offers a uniquely small and convenient form factor with professional 8:1 distance to spot ratio, a high-quality laser pointer and LED flashlight. Much more portable than traditional infrared thermometers, the IR-450 can be readily available in your pocket for quick diagnostic checks in a wide variety of applications including: HVAC/R, fire safety and protection, industrial maintenance, automotive and quality control.

- IR pocket thermometer with 8:1 distance to spot ratio
- Selectable °F / °C
- Holds temperature reading for 10 seconds
- Bright laser pointer
- Built-in LED flashlight to illuminate dark areas



IR-450 DETAILED SPECIFICATIONS

| Specifications | Range |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Distance to Spot (D:S) | 8:1 (calculated at 80% energy) |
| Temperature Range | -22°F to 932°F / -30°C to 500°C |
| Accuracy at 23°C ±2°C, <80%RH | -22°F to 212°F: ±4°F 213°F to 932°F: ±(1.5% of reading + 4°F) -30°C to 100°C: ±2°C 101°C to 500°C: ±(1.5% of reading + 2°C) |
| Best Display Resolution | 0.5°F / 0.2°C |
| Response Time | 500 ms |
| Emissivity | 0.95 |
| Laser Wavelength | 630 nm to 670 nm |
| Spectral Response | 6.5 µm to 18 µm |
| Repeatability | ±1°C or ±0.5% of reading, whichever is greater. |
| Display Hold | 10 seconds |
| Operating Altitude | Up to 2000 meters |
| Battery | One 1.5VAAA battery |
| Battery Life | 20 hours (Alkaline typically) |
| Storage Temperature | -40°F to 140°F (-20°C to 60°C) (without battery) ≤ 85% RH |
| Dimensions (L x W x H) | 100 x 20 x 29mm (3.94 x 0.79 x 1.14in) |
| Weight | Approximately 50g (0.11lb) |
| Safety Compliance | EN 61010-1, EN 60825-1 |
| EMC Compliance | EN 61326-1 |
| Certification | CE |
| Laser Safety Info | 100% FDA Compliant |
| Laser Safety Class | Class 2 |

For more detailed specifications see instruction manual.

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