AMPROBE®

HARD AT WORK SINCE 1948.

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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