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.

Features

- **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
Pen Type IR
Thermometer

CE

Specifications	IR-450
	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 32 °F (30 °C to 0 °C): ±4 °F (±2 °C) 34 °F to 50 °F (1 °C to 10 °C): ±3 °F (±1.5 °C) 52 °F to 104 °F (11 °C to 40 °C): ±2 °F (±1 °C) 106 °F to 932 °F (41 °C to 500 °C): ±3 °F (±1.5 °C) or ±1.5% of reading, whichever is greater
Best Accuracy	±2 °F / ±1 °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 1.5 V AAA 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)	3.94 x 0.79 x 1.14 in (100 x 20 x 29 mm)
Weight	Approximately 0.11 lb (50 g)
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

Safety Certification
All Amprobe tools, including the Amprobe IR-450, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.