



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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	-30°C to 500°C (-22°F to 932°F)
Accuracy at 23°C ±2°C, <80%RH	-30°C to 0°C (-22°F to 32°F): ±2°C (±4°F) 1°C to 10°C (34°F to 50°F): ±1.5°C (±3°F) 11°C to 40°C (52°F to 104°F): ±1°C (±2°F) 41°C to 500°C (106°F to 932°F): ±1.5°C (±3°F) 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 1.5VAAA 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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