



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-700 Series Infrared Thermometers

IR-710, IR-712, IR-720, IR-730 and IR-750

The Amprobe IR-700 series of infrared thermometers is a complete line of high performance diagnostic tools designed for HVAC/R, electrical, industrial maintenance, automotive as well as quality control and fire prevention applications.

- Extremely accurate and reliable
- Precise measurement with distance to spot ratio from 10:1 to 50:1
- Wide temperatures ranges available up to -58°F to 2822°F (-50°C to 1550°C)
- Rapid response time
- Laser pointer for accurate targeting
- 8 seconds auto display hold for easy read-out
- Adjustable emissivity for measuring a variety of materials
- Dual LCD display with backlight
- Selectable °F and °C
- Stores up to 99 data points (IR-750 only)
- Thermocouple input (IR-750 only)
- USB interface (IR-750 only)

Series Selection Guide	IR-710	IR-712	IR-720	IR-730	IR-750
					
Features					
Distance to Spot (D:S)	10:1	12:1	20:1	30:1	50:1
Temperature Range	0°F to 716°F -18°C to 380°C	0°F to 1022°F -18°C to 550°C	-26°F to 1922°F -32°C to 1050°C	-26°F to 2282°F -32°C to 1250°C	-58°F to 2822°F -50°C to 1550°C
Best Accuracy	±2%	±1.8%			
Emissivity for measuring a variety of materials	0.95	Adjustable from 0.10 to 1.00			
Display Resolution	0.1°C / 0.1°F				0.1°C / 0.1°F of reading < 999.9
MIN/MAX Memory	■	■	■	■	■
DIF/AVG Temperature Display		■	■	■	■
Tripod mount		■	■	■	■
Programmable high and low alarm					■
USB interface					■
Built in memory					99
K-Type thermocouple measurement					■
Warranty	1 year				

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Specifications	IR-710	IR-712	IR-720	IR-730	IR-750
Temperature Range	0°F to 716°F -18°C to 380°C	0°F to 1022°F -18°C to 550°C	-26°F to 1922°F -32°C to 1050°C	-26°F to 2282°F -32°C to 1250°C	-58°F to 2822°F -50°C to 1550°C
Accuracy With ambient operating temperature of 70°F to 77°F (21°C to 25°C)	18°C to 10°C (-0.4°F to 50°F): ±2%+1°C (2°F), or ±3°C (±6°F), whichever is greater >10°C to 380°C (>50°F to 716°F): ±2%, or ±2°C (±4°F), whichever is greater	±1.8% or ±4°F (±1.8°C), whichever is greater	>0°C to 1250°C (>32°F to 2282°F): ±1.8% (±4°F), whichever is greater -32°C to 0°C (-26°F to 32°F): ±1.8%+1°C (2°F) or ±2.8°C (±6°F), whichever is greater	>0°C to 1550°C (>32°F to 2822°F): ±1.8% or ±1.8°C (±4°F), whichever is greater >-35°C to 0°C (-31°F to 32°F): ±1.8%+1°C (2°F) or ±2.8°C (±6°F), whichever is greater -50°C to -35°C (-58°F to -31°F): not specified (for reference only)	
Repeatability	±0.5% of reading or ±1°F (±0.5°C), whichever is greater				
Display Resolution	0.1°F / 0.1°C				0.1°F / 0.1°C of reading < 999.9 0.2°F / 0.2°C of reading below 10°C (50°F) 1°F / 1°C of reading > 999.9
Spectral Response	8µm to 14µm				
Laser Sighting	Single point laser				
Laser Power	Output > 1mW Class 2, wavelength 630 to 670nm				
Response Time (95%)	500ms	250ms			
Distance to Spot (D:S)	10:1	12:1	20:1	30:1	50:1
Minimum Spot Size	20mm	25mm		24mm	19mm
Emissivity	0.95	Digitally adjustable from 0.10 to 1.00 by 0.01. Pre-set emissivity is 0.95			
Ambient Operating Temperature	32°F to 104°F 0°C to 40°C				
Relative Humidity	0% to 75% non-condensing				
Storage Temperature	-4°F to 150°F / -20°C to 65°C				
Temperature Display	°F / °C selectable				
Display Hold	8 seconds				
MAX/MIN Temperature Display	■	■	■	■	■
DIF/AVG Temperature Display	NA	■	■	■	■
Dual LCD Display	■	■	■	■	■
LCD Backlit	■	■	■	■	■
Low Battery Indication	■	■	■	■	■
Tripod mount	NA	■	■	■	■
Power	9V 6F22 alkaline battery or equivalent				9V 6F22 alkaline battery or by power adaptor (output DC 6V/450mA)
Battery Life	10 hours with laser and backlight on 30 hours with laser and backlight off				
Dimension (H x L x W)	Approx. 153 x 108 x 40 mm (6.0 x 4.5 x 1.6 in)	Approx. 169 x 138 x 53 mm (6.7 x 5.4 x 2.1 in)			Approx. 183 x 147 x 57 mm (7.2 x 5.8 x 2.3 in)
Weight	Approx. 180 g (0.4 lb) with battery installed	Approx. 290 g (0.64 lb) with battery installed			Approx. 345 g (0.76 lb) with battery installed
Included Accessories	Battery and Instruction Manual	Carrying Bag, Battery and Instruction Manual (Battery not installed)			Software CD, USB Cable, K-type Thermocouple Probe, Carrying Bag, Hard Carrying Case, Battery and Instruction Manual
Optional/Recommended Accessories (IR-750 only)	NA				Power adaptor EPS-700-US (US plug), EPS-700-EUR (European plug)