

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 to1250°C	-58°F to 2822°F -50°C to1550°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				
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% or ±1.8°C (±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 of reading < 999.9 0.1°F/0.1°C 0.2°F/0.2°C of reading below 10°C (50° 1°F/1°C of reading > 999.9							
Spectral Response	8µm to14µm							
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	25r	nm	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 p adaptor (output DC 6V/450m							
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							
Optional/ Recommended Accessories (IR-750 only)		Power adaptor EPS-700-US (US plug), EPS-700-EUR (European plug)						

