








IR-700-EUR Series Infrared Thermometers

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

The Beha-Amprobe IR-700-EUR 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 -50°C to 1550°C (-58°F to 2822°F)
- 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-EUR only)
- Thermocouple input (IR-750-EUR only)
- USB interface (IR-750-EUR only)



Series Selection Guide	IR-710-EUR	IR-712-EUR	IR-720-EUR	IR-730-EUR	IR-750-EUR
					
Features					
Distance to Spot (D:S)	10:1	12:1	20:1	30:1	50:1
Temperature Range	-18°C to 380°C 0°F to 716°F	-18°C to 550°C 0°F to 1022°F	-32°C to 1050°C -26°F to 1922°F	-32°C to 1250°C -26°F to 2282°F	-50°C to 1550°C -58°F to 2822°F
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				

For detailed specifications and ordering information go to www.beha-amprobe.com.

Specifications	IR-710-EUR	IR-712-EUR	IR-720-EUR	IR-730-EUR	IR-750-EUR
Temperature Range	-18 °C to 380 °C 0 °F to 716 °F	-18 °C to 550 °C 0 °F to 1 022 °F	-32 °C to 1 050 °C -26 °F to 1 922 °F	-32 °C to 1 250 °C -26 °F to 2 282 °F	-50 °C to 1 550 °C -58 °F to 2 822 °F
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 (Typical) >10°C to 380°C (>50°F to 716°F): ±2%, or ±2°C (±4°F), whichever is greater (Typical)	±1.8% or ±4°F (±1.8°C), whichever is greater (Typical)	>0°C to 1250°C (>32°F to 2282°F): ±1.8% or ±1.8°C (±4°F), whichever is greater (Typical) -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 (Typical)	>0°C to 1550°C (>32°F to 2822°F): ±1.8% or ±1.8°C (±4°F), whichever is greater (Typical) >-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 (Typical) -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 °C / 0.1 °F				0.1 °C / 0.1 °F reading < 999,9 0.2 °C / 0.2 °F of reading below 10°C (50°F) 1 °C / 1 °F 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%)	500 ms	250 ms			
Distance to Spot (D:S)	10:1	12:1	20:1	30:1	50:1
Minimum Spot Size	20 mm	25 mm		24 mm	19 mm
Emissivity	0,95	Digitally adjustable from 0.10 to 1.00 by 0.01. Pre-set emissivity is 0.95			
Ambient Operating Temperature	0 °C to 40 °C 32 °F to 104 °F				
Relative Humidity	0% to 75% non-condensing				
Storage Temperature	-20 °C to 65 °C / -4°F to 150°F				
Temperature Display	°C / °F 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)