



INFRARED THERMOMETERS

Infrared Thermometers

- A "must have" tool for HVAC/R technicians
- Two-in-one thermometer combines infrared and K-thermocouple probe temperature measurement
- Infrared temperature measurement provides instant readings of hard-to-reach, hot, rotating, or electrically charged objects while type K thermocouple measures temperature of pipes, metallic objects and air streams
- Compatible with all standard mini-connector K-type thermocouple probes
- Three-step emissivity adjustment
- Single-point laser sighting shows the approximate center of measurement area
- Automatically calculates minimum, maximum and difference
- Display Hold and backlight
- Includes: Hook and loop pipe probe for superheat and subcooling applications
- Three infrared measurement techniques:



XC306

FLUKE®

Infrared Thermometers

- Compatible with all standard mini-connector K-type thermocouples
- Dot matrix graphical display and soft-key menus
- Capture up to 99 points (IA515) or 20 points (IA514) of data
- Includes: USB 2.0 with FlukeView® Forms software (IA515)



IA514

FLUKE®

Scan: Detect temperature changes along a wide or continuous target region;

Spot: Determine the absolute temperature of an object;

Differential: Compare two spot measurements against each other

SPECIFICATIONS:

Temperature Range: -40° to 1022 °F (-40° to 550 °C)
Resolution: 0.1 °F (0.1 °C)
Accuracy: ± 1.0 % rdg. or ± 2 °F (1 °C), whichever is greater; ± 2 °F (1 °C) < 32 °F (0 °C)
Repeatability: ± 0.5 % rdg. or ± 2 °F (1 °C), whichever is greater
Response Time: 500 mSec (95 % of reading)
Spectral Response: 8 to 14 µm
Emissivity: Adjustable w/ 3 settings: Low (0.3), Medium (0.7), High (0.95)
Optical Resolution: 12:1 Distance:Spot Size
Laser Type: Single point, Class II operation; Output < 1 mW, wavelength 630-670 nm
Power Supply: 2 x "AA" batteries (alkaline or NiCd)
Battery Life: 12 hours w/ alkaline batteries

Model No.	Mfg. No.	Description	Price/Each
XC306	561	Infrared Thermometer	

Model No.	IA514	IA515
Mfg. No.	566	568
Infrared Temperature Range	-40 to 1202 °F (-40 to 650 °C)	-40 to 1472 °F (-40 to 800 °C)
Resolution	0.1 °F (0.1 °C)	0.1 °F (0.1 °C)
Infrared Accuracy	< 32 °F (0 °C): ± 2.0 °F (± 1.0 °C) + 0.1 °F or °C; > 32 °F (0 °C): ± 1 % or ± 2.0 °F (± 1.0 °C), whichever is greater	
Emissivity	Digitally adjustable, 0.10 to 1.00 by 0.01 increments w/ built-in material table	
Distance to Spot Size	30:01:00	50:01:00
Spectral Range	8 to 14 µm	8 to 14 µm
Single Offset Laser	Yes	Yes
Display Hold	Yes	Yes
Display Backlight	Yes	Yes
Min/Max/Avg/Diff	Yes	Yes
Data Storage	20 points	99 points
Hi/Lo Alarms	Yes	Yes
Trigger Lock	Yes	Yes
Power Supply	2 AA batteries	
T/C Temp. Range	-454 to 2501 °F (-270 to 1372 °C)	
T/C Accuracy	-454 to -40 °F (-270 to -40 °C): ± 2 °F + 0.2 °F (1 °F) ± (1 °C + 0.2 °C/1 °C); > -40 °F (-40 °C): ± 1 % or 2 °F (1 °C), whichever is greater	
Price/Each	\$	\$

Infrared Thermometers

- Dust and water-resistant: IP54 rated for dust and water resistance
- Rugged: 3-meter (9.8') drop tested
- Ergonomically designed
- Small and lightweight; clips to your tool belt or belt loop or easily fits into your tool box
- Distance to spot: Precise laser technology makes for more accurate and repeatable measurements
- Dual lasers: The 62 MAX+ has dual rotating lasers to help you identify area to be measured
- Large, backlit display: Ideal in dark areas
- Min/Max/Avg/Dif: Displays the minimum, maximum or average temperature, or the difference between two measurements



IA217

FLUKE®

Model No.	IA217	IB036
Mfg No.	62-MAX	62-MAX+
Temperature Range:	-22 °F to 932 °F (-30 °C to 500 °C)	-22 °F to 1202 °F (-30 °C to 650 °C)
Accuracy:	±1.5 °C or ±1.5% of reading, -10 °C to 0 °C: ±2.0 °C to -10 °C: ±3.0 °C	±1.0 °C or ±1.0% of reading, -10 °C to 0 °C: ±2.0 °C to -10 °C: ±3.0 °C
Response Time (95%) :	<500 ms (95% of reading)	<300 ms (95% of reading)
Spectral Response:	8 to 14 microns	8 to 14 microns
Emissivity:	0.10 to 1.00	0.10 to 1.00
Optical Resolution:	10:1 (calculated at 90% energy)	12:1 (calculated at 90% energy)
Display Resolution:	0.2 °F (0.1 °C)	0.2 °F (0.1 °C)
Repeatability of Readings:	±0.8% of reading or <± 2 °F (1.0 °C), whichever is greater	±0.5% of reading or <± 1 °F (0.5 °C), whichever is greater
Power:	AA battery	AA battery
Battery Life:	10 hours with laser and backlight on	8 hours with laser and backlight on

Model No.	Mfg No.	Description	Price Each
IA217	62-MAX	Single Laser Infrared Thermometer, 10:1 spot	
IB036	62-MAX+	Dual Laser Infrared Thermometer, 12:1 spot	

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