TECHNICAL DATA

64 MAX, 62 MAX+ and 62 MAX IR Thermometers

Takes the heat, the dust and water and a 3 meter drop. And now, internal memory and unattended monitoring.

The Fluke 64 MAX, 62 MAX+ and 62 MAX IR Thermometers have the precision you need to do your job accurately and will not break the budget. Designed and tested to survive a 3 meter drop, you can count on these lightweight, compact infrared thermometers to work when you need them to work–even in the harshest environments and when you're not able to be there (64 MAX).

- Precise laser technology for more accurate and repeatable measurements
- Temperature accuracy of up to ≥ 0 °C: ± 1 °C or ± 1 % of reading whichever is greater with 20:1 distance to spot ratio (64 MAX)
- Flashlight (64 MAX) and large, easy-to-read backlit LCD display for easy viewing even in dark environment
- IP54 rated for extra protection against airborne contaminants
- Get your tool to work when you can't–set time and desired interval between measurements and Auto Capture will capture spot temperatures unattended (64 MAX)
- 99 data point logging (64 MAX)
- Displays the minimum, maximum or average temperature, or the difference between two measurements
- Hi and Lo alarms for rapid display of measurements outside set limits
- The 62 MAX+ has dual rotating lasers to help you identify area to be measured. The measurement area is the spot between the dots (62 MAX and 64 MAX have 1).
- Small and lightweight, fits easily into your tool box

TEMPERATURE RANGE

64 MAX
-30 °C to 600 °C (-22 °F to 1112 °F)

62 MAX+
-30 °C to 650 °C (-22 °F to 1202 °F)

62 MAX
-30 °C to 500 °C (-22 °F to 932 °F)

TEMPERATURE ACCURACY

64 MAX
± 1.0 °C or ± 1.0 % of reading, whichever is greater
± 2.0 °C at -10 °C to 0 °C
± 3.0 °C at -30 °C to -10 °C

62 MAX+
± 1.0 °C or ± 1.0 % of reading, whichever is greater
± 2.0 °C at -10 °C to 0 °C
± 3.0 °C at -30 °C to -10 °C

62 MAX
± 1.5 °C or ± 1.5 % of reading, whichever is greater
± 2.0 °C at -10 °C to 0 °C
± 3.0 °C at -30 °C to -10 °C

DISTANCE:SPOT

64 MAX
20:1

62 MAX+
12:1

62 MAX
10:1

INTERNAL MEMORY

64 MAX
99 data point logging

AUTO CAPTURE

64 MAX

Specifications

	64 MAX	62 MAX+	62 MAX
Key features			
Temperature range	– 30 °C to 600 °C (–22 °F to 1112 °F)	– 30 °C to 650 °C (–22 °F to 1202 °F)	– 30 °C to 500 °C (–22 °F to 932 °F)
Accuracy (Calibration geometry with ambient temperature 23 °C +/– 2 °C)	± 1.0 °C or ± 1.0 % of reading, whichever is greater ± 2.0 °C at –10 °C to 0 °C ± 3.0 °C at –30 °C to –10 °C		± 1.5 °C or ± 1.5 % of reading, whichever is greater ± 2.0 °C at –10 °C to 0 °C ± 3.0 °C at –30 °C to –10 °C
Optical resolution	20:1 (calculated at 90 % energy)	12:1 (calculated at 90 % energy)	10:1 (calculated at 90 % energy)
Response time (95 %)	< 500 ms (95 % of reading)	< 300 ms (95 % of reading)	< 500 ms (95 % of reading)
Spectral response	8 to 14 microns		
Emissivity	0.10 to 1.00		
Display resolution	0.1 °C (0.2 °F)		
Repeatability (% of reading)	± 0.5 % of reading or ± 0.5 °C (whichever is greater)		± 0.8 % of reading or ± 1 °C (whichever is greater)
Auto Capture	Set time and interval to capture up to 99 measurements	–	
Internal memory	99 data point logging capability	–	
Flashlight	Yes	–	
Power	1 AA alkaline battery		
Battery life	30 hours with laser and backlight on	8 hours with laser and backlight on	10 hours with laser and backlight on
Weight	255 g (8.99 oz)		
Size	(175 x 85 x 75) mm (6.88 x 3.34 x 2.95) inches		
Operating temperature	0 °C to 50 °C (32 °F to 122°F)		
Storage temperature	–20 °C to 60 °C (–4 °F to 140 °F) (without battery)		
Operating humidity	Non- condensing @ ≤ 10 °C (50 °F) ≤ 90 % RH @ 10 °C (50 °F) to 30 °C (86 °F) ≤ 75 % RH @ 30 °C (86 °F) to 40 °C (104 °F) ≤ 45 % RH @ 40 °C (104 °F) to 50 °C (122 °F)		
Operating altitude	2000 meters above mean sea level		
Storage altitude	12,000 meters above mean sea level		
Drop test	3 meters		
Implement standard	Q/ASF01		
Standards and agency approval			
Compliance	IEC 61010-1: Pollution Degree 2		
Laser safety	IEC 60825-1 Class 2, 650 nm, < 1 mW		
Ingress protection rating	IP 54 per IEC 60529		
Warranty	3 years		

Ordering information

Fluke-64 MAX IR Thermometer
Fluke-62 MAX+ IR Thermometer
Fluke-62 MAX IR Thermometer

Included with product
IR Thermometer
Printed instruction sheet
Carabiner (62 MAX+ only)
Product manuals available for download from fluke.com

Kits
Fluke T5-600/62 MAX+/1AC II
IR Thermometer, Electrical Tester and Voltage Detector Kit
Fluke 62 MAX+/323/1AC
IR Thermometer, Clamp Meter and Voltage Detector Kit

Optional accessories
FLK-TI-TRIPOD Tripod Mounting Accessory for 64 MAX

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