

Data teknis

# Fluke 414D/62 MAX+ Laser Distance Meter/Infrared Thermometer Combo Kit



## Fitur utama

### The 414D reduces errors, saves time and money

- The most advanced laser technology for distance measurement
- Measures up to 50 m (165 ft) with accuracy of 2 mm (0.08 in)
- Quick calculation of area (square feet/meters) and volume
- Pythagoras function indirectly measures height via two other measurements
- Stores up to five measurement results
- Battery life of 3000 measurements with automatic shut-off feature

### Fluke 62 MAX+. Small in size. Big on toughness

- Dust and water-resistant: IP54 rated
- Rugged: 3-meter (9.8-foot) drop tested
- Ergonomically designed: Completely redesigned for a more natural hand fit
- Distance to spot: 12:1
- Dual lasers: Identifies area to be measured
- Large, backlit display: Makes data easier to read, even in dark areas

## Ikhtisar Produk: Fluke 414D/62 MAX+ Laser Distance Meter/Infrared Thermometer Combo Kit

The most rugged Fluke 62 MAX+ IR thermometer teamed with the easy to use 414D Laser Distance Meter has everything you need to configure layout and to troubleshoot electrical/hvac problems quickly. Use the IR thermometer to test for overheating in electrical devices and HVAC components, and use the laser distance meter to determine distance, area, and volume for space configuration.

## Spesifikasi: Fluke 414D/62 MAX+ Laser Distance Meter/Infrared Thermometer Combo Kit

### Fluke 414D Laser Distance Meter

Distance Measurement	
Typical Measuring Tolerance <sup>1</sup>	±2.0 mm <sup>3</sup>
Maximum Measuring Tolerance <sup>2</sup>	±3.0 mm <sup>3</sup>
Range At Leica Target Plate GZM26	50 m / 165 ft
Typical Range <sup>1</sup>	40 m / 130 ft
Range At Unfavorable Condition <sup>4</sup>	35 m / 115 ft
Smallest Unit Displayed	1 mm / 1/16 in
Ø Laser Point At Distances	6 / 30 / 60 mm (10 / 50 / 100 m)
Tilt Measurement	
Measuring Tolerance To Laser Beam <sup>5</sup>	No
Measuring Tolerance To Housing <sup>5</sup>	No
Range	No
General	
Laser Class	2
Laser Type	635 nm, < 1 mW
Protection Class	IP40
Automatic Laser Off	After 90 seconds
Automatic Power Off	After 180 seconds
Battery Life (2 x AAA) 1.5 V NEDA 24A/IEC LR03	Up to 3,000 measurements
Size (L x W x D)	116 x 53 x 33 mm
Weight (with batteries)	113 g
Temperature Range:	-25 °C to +70 °C (-13 °F to +158 °F)
Storage Operation	0 °C to +40 °C (32 °F to +104 °F)

Calibration Cycle	Not applicable
Maximum Altitude	3000 m
Maximum Relative Humidity	85% at 20 °F to 120 °F (-7 °C to 50 °C)
Safety	IEC Standard No. 61010-1:2001
	EN60825-1:2007 (Class II)
EMC	EN 55022:2010
	EN 61000-4-3:2010
	EN 61000-4-8:2010
<p>1. Applies for 100% target reflectivity (white painted wall), low background illumination, 25 °C.                  2. Applies for 10 to 500% target reflectivity, high background illumination, -10 °C to +50 °C.                  3. Tolerances apply from 0.05 m to 10 m with a confidence level of 95%. The maximum tolerance may deteriorate to 0.1 mm/m between 10 m to 30 m and to 0.15 mm/m for distances above 30 m.                  4. Applies for 100% target reflectivity, background illumination between 10'000 lux and 30'000 lux.                  5. After user calibration. Additional angle related deviation of <math>\pm 0.01^\circ</math> per degree up to <math>\pm 45^\circ</math> in each quadrant. Applies at room temperature. For the whole operating temperature range the maximum deviation increases by <math>\pm 0.1^\circ</math></p>	

### Fluke 62 MAX+ Infrared Thermometer

Specifications	
Temperature Range	-30 °C to 650 °C (-22 °F to 1202 °F)
Accuracy	$\pm 1.0^\circ\text{C}$ or $\pm 1.0\%$ of reading, whichever is greater
	-10 °C to 0 °C: $\pm 2.0$
	-30 °C to -10 °C: $\pm 3.0$
Response Time (95%)	<b>Fluke 62 MAX+</b> < 300 ms (95% of reading)
	Spectral response 8 to 14 microns
	Emissivity 0.10 to 1.00
Optical Resolution	12:1 (calculated at 90% energy)
Display Resolution	0.1 °C (0.2 °F)
Repeatability Of Readings	$\pm 0.5\%$ of reading or $< \pm 0.5^\circ\text{C}$ (1 °F), whichever is greater
Power	AA battery
Battery Life	8 hours with laser and backlight on
Physical Specifications	
Weight	255 g (8.99 oz)
Size (L x W x D)	175 x 85 x 75 mm (6.88 x 3.34 x 2.95 in)
Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
Storage Temperature (Without Battery)	-20 °C to 60 °C (-4 °F to 140 °F)
Operating Humidity	10% to 90% RH non-condensing at 30 °C (86 °F)
Operating Altitude	2000 meters above mean sea level
Storage Altitude	12,000 meters above mean sea level

IP Rating	IP 54 per IEC 60529
Drop Test	3 meters
Vibration And Shock	IEC 68-2-6 2.5 g, 10 to 200 Hz
	IEC 68-2-27, 50 g, 11 ms
EMC	EN 61326-1:2006
	EN 61326-2:2006
Standards And Agency Approval	
Compliance	EN/IEC 61010-1: 2001
Laser Safety	FDA and EN 60825-1 Class II

## Model



### **414D/62 MAX+**

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Includes:

- Fluke 414D Laser Distance Meter
  - Fluke 62 MAX+ IR Thermometer
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**Fluke.** *Memastikan aktivitas Anda terus berjalan dan beroperasi.*

**Fluke Corporation**

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