TECHNICAL DATA

Fluke 417D
Laser Distance Measurer



The Fluke 417D is accurate, durable, and easy to use—just point and shoot.

The simple design and easy one-button operation means you can minimize your time measuring while maximizing the reliability of the measurements you need.

The Fluke 417D laser distance meter is designed for indoor and outdoor applications. The 417D operates with the Fluke durability and quality you expect. And, with simple function buttons, three different measurement tasks can be completed quickly and easily.

The extra bright laser is clearly visible, so you can always see your targeting point even if the target object is in a hard-to-reach spot, or at a long distance. The 417D has a large 2-line illuminated LCD screen and three-buttons for easy-to-use one-handed measurements.

The 417D additionally offers:

- 131 ft. working range
- One-touch controls
- 2-line illuminated display
- Ultra-portable
- 1-meter drop tested
- IP54 dust and water resistant
- 3-year warranty

FEATURES AND BENEFITS

All meters offer:

- Measures up to 40 m (131 ft.) with accuracy of 2mm (0.08 in)
- Instant distance measurement with one-button operation
- Great for interior and exterior applications
- Improved visibility with backlit screen
- Easy targeting with bright laser
- Quick calculation of area (square footage)
- Continuous measurement capable
- Improved battery life from automatic shut-off feature
- Battery life of 3,000 measurements



General specifications	
	417D
Typical range [1]	0.2–40 m/0.6–131 ft
Typical measuring tolerance* [1]	2.0 mm ± 1.5 mm/± 0.06 in ***
Maximum measuring tolerance [2]	± 3.0 mm/0.12 in ***
Accuracy up to 10m (+/–)	± 2 mm
Display	2 line/1 mm/1/32 in
Display illumination	Yes
Laser point at distance	6/30/60 mm (10/40/100 m)
Area	Yes
Units setting (smallest units displayed)	0,000m, 0' 00" 1/32, 0 in 1/32
Auto laser switch off	90 sec
Auto power switch off	180 sec
General	
Laser class	II
Laser type	635 nm, <1 mW
Protection class	IP54
Battery life (2 x AAA) 1.5 V NEDA 24A/IEC LR03	Up to 3,000 measurements
Size (Hx W x D)	11.9 x 3.8 x 2.6 cm
Drop test	1 meter
Weight (with batteries)	95g (3.35 oz)
Temperature range: Storage	–25 °C to 70 °C (–13 °F to 158 °F)
Temperature range: Operation	–10 °C to 50 °C (14 °F to 122 °F)
Calibration cycle	Not applicable
Maximum relative humidity	85 % @ 20°F to 120 °F (–7 °C to 50 °C)
Safety	CAN/CSA-C22.2 No. 61010-1-04, UL Std. No. 61010-1 (2nd Edition), ISA-82.02.01, IEC Standard No. 61010-1:2001, EN60825-1:2007 (Class II)
EMC	61326-1:2006

[1] Applies for 100 % target reflectivity (white painted wall), low background illumination, 25 °C (13 °F).

[2] Applies for 10 % to 500 % target reflectivity, high background illumination, –10 °C to +50 °C (14 °F to +122 °F).

[3] Tolerances apply from 0.05 m to 10 m (0.001 ft to 32.8 ft) with a confidence level of 95 %. The maximum tolerance may deteriorate to 0.1 mm/m (0.003 in/ft) between 10 m to 30 m (32.8 ft to 98.4 ft) and to 0.15 mm/m (0.005 in/ft) for distances above 30 m (98.4 ft).

[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 ± 0.01° per degree up to ± 45° in each quadrant. Applies at room temperature. For the whole operating temperature range the maximum deviation increases by ± 0.1°.



Fluke 417 D Laser Distance Meter

Ordering information

Fluke 417D Laser Distance Meter

Laser distance meter, two AAA batteries, user's manual, quick reference guide, lanyard, and three-year warranty.

Fluke 417D/62 Max+ Laser Distance Meter/Infrared Thermometer combo kit



Why use a distance meter?

Instant measurements up to 40 meters/131 feet. Just point, click, done.

Measure with greater accuracy. Up to ± 2 mm. Accuracy at the level you require.

Do the work of two. Instead of holding the tape, your helper can do other jobs.

Speed up the job. Easily measure hard-to-access areas, like high ceilings, without climbing a ladder.

Reduce estimating errors—let the meters do the math. Find area measurements easily.

Trust Fluke tools. Rugged and reliable, dust and splash-proof, you can work indoors and out with confidence, because they're Fluke tools.

For more information visit www.fluke.com/distance

Fluke. *Keeping your world up and running.®*

Fluke Corporation
PO Box 9090, Everett, WA 98206 U.S.A.

Fluke Europe B.V.
PO Box 1186, 5602 BD
Eindhoven, The Netherlands

For more information call:
In the U.S.A. (800) 443-5853 or
Fax (425) 446-5116
In Europe/M-East/Africa +31 (0) 40 2675 200 or
Fax +31 (0) 40 2675 222
In Canada (800)-36-FLUKE or
Fax (905) 890-6866
From other countries +1 (425) 446-5500 or
Fax +1 (425) 446-5116
Web access: http://www.fluke.com

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