

Fluke 421D, 416D and 411D Laser Distance Meters



Fluke 421D

Fluke laser distance meters offer the most advanced measuring technology available. Unlike ultrasonic distance meters with laser pointers, these meters use a precision narrow laser beam that helps avoid the common errors caused by extraneous objects near measurement targets.

- Eliminate estimation errors, saving both time and money
- Instant measurement with one-button operation
- Easy targeting with bright laser
- Quick calculation of area (square footage) and volume
- Easy addition and subtraction of measurements
- Two-year warranty



Fluke 416D



Fluke 411D

Specifications

Features	Fluke 421D	Fluke 416D	Fluke 411D
Range (for extended distances, use a target plate)*	0.05 m to 100 m (0.16 ft to 330 ft)	0.05 m to 60 m (0.16 ft to 200 ft)	0.1 m to 30 m (0.33 ft to 100 ft)
Measuring accuracy**	± 1.5 mm (± 0.059 in)	± 1.5 mm (± 0.059 in)	± 3 mm (0.118 in)
Laser class	II	II	II
Laser type	635 nm, < 1 mW	635 nm, < 1 mW	635 nm, < 1 mW
Automatic power off	After 180 seconds	after 180 seconds	after 180 seconds
Continuous measurement	•	•	•
Addition/subtraction	•	•	•
Battery life	up to 5,000 measurements	up to 3,000 measurements	up to 3,000 measurements
LCD illumination	•	•	—
Data locations	20	10	—
Min/Max	•	•	—
Audible feedback	•	•	—
Pythagoras (Indirect measurement)	Full	Full	Simple
Room angle and stakeout	•	—	—
± 45 ° Tilt sensor/indirect measure	•	—	—
Ingress protection	IP54	IP54	IP40
Dimensions	127 mm x 52 mm x 29 mm (5.00 in x 2.06 in x 1.13 in)	135 mm x 46 mm x 31 mm (5.31 in x 1.81 in x 1.22 in)	123 mm x 50 mm x 26 mm (4.84 in x 1.97 in x 1.02 in)
Weight	125 g (4.40 oz)	110 g (3.88 oz)	150 g (5.29 oz)
Temperature range	Storage: -25 °C to 70 °C (-13 °F to 158 °F) Operation: 0 °C to 40 °C (32 °F to 104 °F)	Storage: -25 °C to 70 °C (-13 °F to 158 °F) Operation: 0 °C to 40 °C (32 °F to 104 °F)	Storage: -25 °C to 70 °C (-13 °F to 158 °F) Operation: 0 °C to 40 °C (32 °F to 104 °F)
Operating altitude (ISO 9022)	up to 3500 m	up to 3500 m	up to 3500 m
Storage humidity (at 35 °C)	maximum 85 % for 24 h	maximum 85 % for 24 h	maximum 85 % for 24 h
Batteries	AAA (2)	AAA (2)	AAA (2)

* In favorable conditions (optimal target surface, room temperature) up to 10 m (33 ft). In unfavorable conditions, such as intensive sunshine, very weak reflecting target surface, or large temperature fluctuations, measuring accuracy may deteriorate to approx. ± 0.25 mm/m (± 0.003 in/ft) for distances above 10 m (33 ft).

** In favorable conditions (optimal target surface, room temperature) up to 10 m (33 ft). In unfavorable conditions, such as intensive sunshine, very weak reflecting target surface, or large temperature fluctuations, the deviation over distances 10 m (33 ft) can increase by approx. ± 0.15 mm/m (± 0.0018 in/ft).

Ordering information

Included accessories	Models
Two AAA batteries, users manual on CD, quick start guide, nylon carrying case.	FLUKE-421D Laser Distance Meter
	FLUKE-416D Laser Distance Meter
	FLUKE-411D Laser Distance Meter
	FLUKE-411D/62 411D Laser Distance Meter and 62 IR Thermometer Kit
Three self-retaining test probes (black), alligator clip, users manual.	FLUKE-9040 Rotary Field Indicator

Recommended kits



411D/62 Kit

- Fluke 411D Laser Distance Meter
- Fluke 62 Mini Thermometer
- Soft pouch for each model

Other products

Fluke 9040 Rotary Field Indicator

The Fluke 9040 is a premium phase rotation tester with a CAT III 600 V rating. The frequency range is from 15 Hz to 400 Hz

for demanding applications. The clear liquid crystal display and the holster make it suitable for rough outdoor applications. This instrument is supplied with three unique, expandable test probes that fit most sockets. Includes a two-year warranty.

For more information, go to www.fluke.com/9040

Recommended accessories



AC90
Replacement Alligator Clip Set for Fluke 9040 and 9062
wide 2.5 cm (1 in) jaw opening

Check price and availability at www.fluke.com/wtb