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	П	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 Operation	-25 °C to 70 °C (-13 °F to 158 °F) 0 °C to 40 °C (32 °F to 104 °F)	-25 °C to 70 °C (-13 °F to 158 °F) 0 °C to 40 °C (32 °F to 104 °F)	-25 °C to 70 °C (-13 °F to 158 °F) 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
- In tavorable conditions (optimal target surface, room temperature) up to 10 m (33 ft). In unhavorable 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,	FLUKE-421D	Laser Distance Meter
quick start guide, nylon carrying case.	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



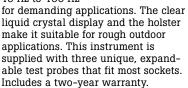
411D/62 Kit

- 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 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