





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 extraction 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

Specifications		Fluke 421D	Fluke 416D	Fluke 411D
Model		Fluke 421D	Fluke 416D	Fluke 411D
				
Features				
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)	-25 °C to 70 °C (-13 °F to 158 °F)	-25 °C to 70 °C (-13 °F to 158 °F)
	Operation	0 °C to 40 °C (32 °F to 104 °F)	0 °C to 40 °C (32 °F to 104 °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 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).