TECHNICAL DATA

Fluke 406E and 410

Laser Distance Meter



Product Overview

Just point and click to instantly measure up to 100 meters, new Fluke Laser Distance Meters are fast, accurate, durable, and easy to use.

These Laser Distance Meters have the Fluke's core value you expected. The simple design and easy-to-use button operation allow you to operate with one hand, minimise the time spent in measuring, also maximise the reliability of measurements.

Features and benefits

- Quickly measure distance, calculate area / volume / Pythagoras
- Auto leveling and vertical
- Built to withstand rainy or dusty conditions: 1-meter drop tested with rated IP54 (FLUKE 406E), IP65 (FLUKE 410),
- Electronic angle display, auxiliary level measurement
- Up to 100 sets of data storage
- The battery life up to 5000 single measurements
- Automatically turn off after 3 minutes of inactivity





FLUKE 410 provide additional features as:

- Universal tripod interface, easy to use
- Type-C charging port, strong endurance
- 2-inch HD display, clear viewing in full sunlight







Specifications





Accuracy*		Fluke 406E	Fluke 410
	Specifications		
Accuracy	Range	0.2 to 60 m	0.2 to 100 m
# (3.0mm + 29x10 *D)	Accuracy* In favourable condition**	±(2.0mm+5x10 ⁻⁵ D)	±(2.0mm+5x10 ⁻⁵ D)
Angle measurement method Measurement unit Measurement unit Measurement unit Measurement	Accuracy in unfavourable condition***	$\pm (3.0 \text{mm} + 29 \text{x} 10^{-5} \text{D})$	±(3.0mm+29x10 ⁻⁵ D)
Measurement unit m / ft / in / ft + in Display	Angle accuracy	\pm (0.3°+0.1°+0.01*A), A is up to \pm 45° in each quadrant	
1.6 inch, segment alphanumeric display 2.0-inch positive display	Angle measurement method	Electronic	
Single measurement	Measurement unit	m / ft / in / ft+in	
Single measurement Continuous measurement Area measurement Area measurement Auto Level Auto Height Pythagoras 2-point Pythagoras 3-point Add / Substrate Method Measurement reference Front / Back Auto-off 3 minutes after inactivity 3 minutes after inactivity Auto-calibration Fine-delay measurement Fine-delay measurement Auto-calibration Fine-delay measurement Fine-dela	Display	1.6 inch, segment alphanumeric display	2.0-inch positive display
Continuous measurement Area measurement Area measurement Auto Level Auto Height Pythagoras 2-point Add / Substrate Method Measurement reference Auto-off 3 minutes after inactivity 3 minutes after inactivity 10 at storage 100 sets 100 set	Measurements		
Area measurement Auto Level Auto Height Au	Single measurement	•	•
Auto Level	Continuous measurement	•	•
Auto Level Auto Height Pythagoras 2-point Pythagoras 3-point Add / Substrate Method Measurement reference Auto-off 3 minutes after inactivity 4 minutes after inactivity 5 minutes after inactivity 6 minutes	Area measurement	•	•
Auto Height Pythagoras 2-point Pythagoras 3-point Add / Substrate Method Measurement reference Auto-off 3 minutes after inactivity 4 minutes after inactivity 5 minutes after inactivity 6 minutes after inac	Volume measurement	•	•
Pythagoras 2-point Pythagoras 3-point Add / Substrate Method Measurement reference Pront / Back Pront / Tripod hole / Back / Extender Auto-off 3 minutes after inactivity 4 minutes after inactivity 5 minutes after inactivity 5 minutes after inactivity 5 minutes after inactivity 5 minutes after inactivity 6 minutes after inactivity 6 minutes after inactivity 6 minutes after inactivity 6 minutes after inactivity 7 minutes after inactivity 8 minutes after inactivity 9 minu	luto Level	•	•
Add / Substrate Method Measurement reference Front / Back Front / Tripod hole / Back / Extender Auto-off 3 minutes after inactivity 4 minutes after inactivity 5 minutes after inactivity 3 minutes after inactivity 4 minutes after inactivity 5 minutes after inactivity 3 minutes after inactivity 4 minutes after inactivity 5 minutes after inactivity 6 mi	luto Height	•	•
Add / Substrate Method Measurement reference Moto-off S minutes after inactivity S	ythagoras 2-point	•	•
	ythagoras 3-point	•	•
Auto-off 3 minutes after inactivity Data Storage 30 sets 100 sets Time-delay measurement -	Add / Substrate Method	•	•
30 sets 100 sets	Measurement reference	Front / Back	Front / Tripod hole / Back / Extender
Fime-delay measurement -	luto-off	3 minutes after inactivity	3 minutes after inactivity
Auto calibration	Data Storage	30 sets	100 sets
Side button - Extender - Catender - Catender - Catender Class 2 Class 2 Class r type Gastery life up to 5000 measurements (single measurement) Deparating temperature O °C to 40 °C Storage temperature ngress protection IP54 IP65 Drop test 1 m 1 m 50 mm × 115mm × 29mm Size O O O O O O O O O O O O O O O O O O O	lime-delay measurement	-	•
Castender - Extender - Extender - Extender - Extender - Extender -	Auto calibration	-	•
Class 2 Laser class Laser type La	Side button	-	•
Class Clas	Extender	-	•
Asser type 630 to 670nm, <1mW	General		
up to 5000 measurements (single measurement) up to 3500 measurements (single measurement) Operating temperature O °C to 40 °C Storage temperature -10 °C to 60 °C IP54 IP65 Orop test 1 m 1 m 50 mm × 115mm × 29mm 52 mm × 116mm × 28mm	aser class	Class 2	
Operating temperature 0 °C to 40 °C Storage temperature -10 °C to 60 °C Ingress protection IP54 IP65 Orop test 1 m 1 m Size 50 mm × 115mm × 29mm 52 mm × 116mm × 28mm	aser type	630 to 670nm, <1mW	
Storage temperature -10 °C to 60 °C ngress protection IP54 IP65 Orop test 1 m 1 m Size 50 mm × 115mm × 29mm 52 mm × 116mm × 28mm	Battery life	up to 5000 measurements (single measurement)	up to 3500 measurements (single measurement)
Ingress protection IP54 IP65 Orop test 1 m 1 m Size 50 mm × 115mm × 29mm 52 mm × 116mm × 28mm	perating temperature	0 °C to 40 °C	
Orop test 1 m 1 m Size 50 mm × 115mm × 29mm 52 mm × 116mm × 28mm	Storage temperature	-10 °C to 60 °C	
Size 50 mm × 115mm × 29mm 52 mm × 116mm × 28mm	ngress protection	IP54	IP65
	Orop test	1 m	1 m
Veight 100g 110g	Size	50 mm × 115mm × 29mm	52 mm × 116mm × 28mm
	Weight	100g	110g

^{*} Temperature for specified accuracy is 25°C

** Favorable conditions: white and diffuse reflection objects (white painted walls) ,low background illumination and moderate temperature

*** Unfavorable conditions: objects with low or high reflectivity, high background illumination or the temperature is at the upper or lower limit of the

² Fluke Corporation TECHNICAL DATA - Fluke 406E and 410 Laser Distance Meter







	Fluke 406E	Fluke 410
Certification		
Laser certification	IEC 60825-1: Class 2, 635 nm, <1 mW CPA, CE	
Electrical certification	IEC 61010-1: Pollution Degree 2 EMC: IEC 61326-1: Industrial Electromagnetic Environment CISPR 11: Group 1, Class A	
Certification		
Packaging box	Folding box	Full telescope
User manual	√ V	√
Vinyl carrying pouch	√	√
Battery	2 AAA alkaline cells	2 AAA NiMH rechargeable cells
Qualification certificate	√	√
Lanyard	-	√ ·
Charging cable	-	Type-C cable, 0.5m

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