

## TECHNICAL DATA

# Fluke 404E, 406E, 405, 408 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, minimize the time spent in measuring, also maximize the reliability of measurements.

### Features and benefits

- Quickly measure distance, calculate area / volume / pythagoras
- Auto level and height
- Built to withstand rainy or dusty conditions : 1-meter drop tested with rated IP54 (FLUKE 404E / 406E), IP64 (FLUKE 405 / 408 / 410),
- Electronic angle display, auxiliary level measurement
- Up to 100 sets of data storage
- The battery life up to 5000 single measurements
- Automatically power off after 3 minutes of inactivity



### FLUKE 405 / 408 / 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



|                                         | Fluke 404E                                            | Fluke 406E  | Fluke 405                                    | Fluke 408   | Fluke 410    |
|-----------------------------------------|-------------------------------------------------------|-------------|----------------------------------------------|-------------|--------------|
| Specifications                          |                                                       |             |                                              |             |              |
| Range                                   | 0.2 to 40 m                                           | 0.2 to 60 m | 0.2 to 50 m                                  | 0.2 to 80 m | 0.2 to 100 m |
| Accuracy*<br>In favorable condition**   | ±(2.0mm+5x10 <sup>-5</sup> D)                         |             | ±(2.0mm+5x10 <sup>-5</sup> D)                |             |              |
| Accuracy<br>In unfavorable condition*** | ±(3.0mm+29x10 <sup>-5</sup> D)                        |             | ±(3.0mm+29x10 <sup>-5</sup> D)               |             |              |
| Angle accuracy                          | ±(0.3°+0.1°+0.01*A), A is up to ±45° in each quadrant |             |                                              |             |              |
| Angel measurement method                | Electronic                                            |             |                                              |             |              |
| Measurement unit                        | m / ft / in / ft+in                                   |             |                                              |             |              |
| Display                                 | 1.6 inch, segment alphanumeric display                |             | 2.0-inch positive display                    |             |              |
| Measurements                            |                                                       |             |                                              |             |              |
| Single measurement                      | ●                                                     | ●           | ●                                            | ●           | ●            |
| Continuous measurement                  | ●                                                     | ●           | ●                                            | ●           | ●            |
| Area measurement                        | ●                                                     | ●           | ●                                            | ●           | ●            |
| Volume measurement                      | ●                                                     | ●           | ●                                            | ●           | ●            |
| Auto Level                              | ●                                                     | ●           | ●                                            | ●           | ●            |
| Auto Height                             | ●                                                     | ●           | ●                                            | ●           | ●            |
| Pythagoras 2-point                      | ●                                                     | ●           | ●                                            | ●           | ●            |
| Pythagoras 3-point                      | ●                                                     | ●           | ●                                            | ●           | ●            |
| Add / Substrate Method                  | ●                                                     | ●           | ●                                            | ●           | ●            |
| Measurement reference                   | Front / Back                                          |             | Front / Tripod hole / Back / Extender        |             |              |
| Auto-off                                | 3 minutes after inactivity                            |             | 3 minutes after inactivity                   |             |              |
| Data Storage                            | 30 sets                                               |             | 100 sets                                     |             |              |
| Time-delay measurement                  | -                                                     | -           | ●                                            | ●           | ●            |
| Auto calibration                        | -                                                     | -           | ●                                            | ●           | ●            |
| Side button                             | -                                                     | -           | ●                                            | ●           | ●            |
| Extender                                | -                                                     | -           | ●                                            | ●           | ●            |
| General                                 |                                                       |             |                                              |             |              |
| Laser class                             | Class 2                                               |             |                                              |             |              |
| Laser type                              | 630 to 670nm, <1mW                                    |             |                                              |             |              |
| Battery life                            | up to 5000 measurements (single measure-<br>ment)     |             | up to 3500 measurements (single measurement) |             |              |
| Operating temperature                   | 0 °C to 40 °C                                         |             |                                              |             |              |
| Storage temperature                     | -10°C to 60°C                                         |             |                                              |             |              |
| Ingress protection                      | IP54                                                  |             | IP65                                         |             |              |
| Drop test                               | 1 m                                                   |             | 1 m                                          |             |              |
| 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 specific temperature range



|                           | Fluke 404E                                                                                                             | Fluke 406E           | Fluke 405                      | Fluke 408                      | Fluke 410                      |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------|--------------------------------|--------------------------------|
| Certification             |                                                                                                                        |                      |                                |                                |                                |
| Laser certification       | IEC 60825-1: Class 2, 635 nm, <1 mW<br>CPA, CE                                                                         |                      |                                |                                |                                |
| Electrical certification  | IEC 61010-1: Pollution Degree 2<br>EMC: IEC 61326-1: Industrial Electromagnetic Environment CISPR 11: Group 1, Class A |                      |                                |                                |                                |
| Certification             |                                                                                                                        |                      |                                |                                |                                |
| Packaging box             | Folding box                                                                                                            | Folding box          | Full telescope                 | Full telescope                 | Full telescope                 |
| User manual               | ✓                                                                                                                      | ✓                    | ✓                              | ✓                              | ✓                              |
| Vinyl carrying pouch      | ✓                                                                                                                      | ✓                    | ✓                              | ✓                              | ✓                              |
| Battery                   | 2 AAA alkaline cells                                                                                                   | 2 AAA alkaline cells | 2 AAA NiMH re-chargeable cells | 2 AAA NiMH re-chargeable cells | 2 AAA NiMH re-chargeable cells |
| Qualification certificate | ✓                                                                                                                      | ✓                    | ✓                              | ✓                              | ✓                              |
| Lanyard                   | -                                                                                                                      | -                    | ✓                              | ✓                              | ✓                              |
| Charging cable            | -                                                                                                                      | -                    | Type-C cable, 0.5m             | Type-C cable, 0.5m             | Type-C cable, 0.5m             |

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