

TECHNICAL DATA

Fluke Laser Levels



RUGGED—1 METER DROP TESTED

Rugged case design withstands rough handling on the job site

ACCURATE

Complete jobs faster with high accuracy measurements

6 mm at 30 meters
(1/4 inch accuracy at 100 feet)—
FLUKE-3PR and FLUKE-3PG

3 mm at 9 meters
(1/8 inch accuracy at 30 feet)—
FLUKE-180LR and FLUKE-180LG

EASY TO USE

Magnetic wall bracket for easy, stable mounting and fast layout

One button operation to toggle to different presets

Laser levels that give you Fluke ruggedness and accuracy

Fluke laser levels are built with the ruggedness you'd expect from every Fluke tool. Designed and tested to survive a one meter drop, you can rely on your Fluke laser level every time you reach for it.

These professional-grade tools also provide the precision you expect from Fluke. Fluke 3-point laser levels are accurate to 6 mm at 30 meters (1/4 inch at 100 feet), and Fluke continuous line lasers levels are accurate to 3 mm at 10 meters (1/8 inch at 30 feet). The fast settling, self-leveling gimbal gives you accurate reference points and lines almost instantly: long and tedious layouts will become a thing of past.

Product overview

All laser level models

- Rugged case design withstands rough handling on the job site
- Includes magnetic wall bracket for easy, stable mounting

Fluke-3PR and Fluke-3PG

- Self-leveling 3 point laser level allows for fast, accurate layout of reference points
- Accurate to 6 mm at 30 meters (1/4 inch at 100 feet)
- Includes floor stand for fast, easy overhang and centerline measurements
- Green laser is up to 3 times brighter for improved visibility and long range applications (Fluke-3PG only)

Fluke-180LR and Fluke-180LG

- Self-leveling, horizontal- and vertical-cross line laser level for rapid, accurate leveling and layout
- Accurate to 3 mm at 9 meters (1/8 inch at 30 feet)
- Green laser is up to 3 times brighter for improved visibility and long range applications (Fluke-180LG only)

Fluke-180LR System and Fluke-180LG System

- Self-leveling, horizontal- and vertical-cross line laser level
- Includes laser line detector and rod clamp for use in high ambient light settings

Fluke-LDR and Fluke-LDG Laser Line Detectors

- Laser line detector for use in high ambient light settings
- Visual and audible indicators for ease of use
- Rugged case design
- Compatible with Fluke-180LR (Fluke-LDR) or Fluke-180LG (Fluke-LDG)
- Includes rod clamp for quick, steady positioning



Specifications

| | | 3PR, 3PG | 180LR, 180LG | LDR, LDG |
|-------------------------|-----------|---|---|---------------------------|
| Light source | | Semiconductor laser diode | | NA |
| Leveling range | | ≤6 ° | | NA |
| Leveling | | Automatic | | |
| Working range | | ≤30 m | ≤60 m | ≤60 m |
| Detection height | | NA | | ≤50 mm |
| Accuracy | | ≤6 mm @ 30 m | ≤3 mm @ 9 m | Fine: 0.75 mm |
| | | | | Medium: 1.75 mm |
| Batteries | | 3 x AA Alkaline IEC LR6 | | 1 x 9 V Alkaline IEC LR61 |
| Battery life | Red | ≥30 hrs, continuous use | ≥35 hrs, continuous use with single beam | ≥30 hrs, continuous use |
| | Green | 10 hrs to 12 hrs, continuous use | 2 hrs to 6 hrs, continuous use with single beam | |
| Dimensions (H x W x L) | | 140 mm x 102 mm x 57 mm | 93 mm x 61 mm x 93 mm | 94 mm x 94 mm x 42 mm |
| Weight (with batteries) | | 0.52 kg | 0.50 kg | 0.20 kg |
| Temperature | Operating | -18 °C to +50 °C | | |
| | Storage | -40 °C to +70 °C With batteries: -20 °C to +50 °C | | |
| Relative humidity | | 0 % to 90 % (0 °C to 35 °C) 0 % to 75 % (35 °C to 40 °C) 0 % to 45 % (40 °C to 50 °C) | | |
| Altitude | Operating | 2000 m | | |
| | Storage | 12 000 m | | |
| Warranty | | 3 years | | |
| Safety | | | | |
| General | | IEC 61010-1: Pollution Degree 2 | | |
| Laser | | IEC 60825-1: Class 2 | | NA |
| Max output power | | <1 mW | | |
| Wavelength | | Red: 635 nm Green: 510 nm | | |

| Electromagnetic compatibility (EMC) | |
|---|---|
| International | IEC 61326-1: Industrial Electromagnetic Environment CISPR 11: Group 1, Class A |
| Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself. | |
| Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances. | |
| Korea (KCC) | Class A Equipment (Industrial Broadcasting & Communication Equipment) |
| Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes. | |
| USA (FCC) | 47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103. |

Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

Ordering information

FLUKE-3PR Red 3-point laser level, carrying pouch, wall bracket, floor stand

FLUKE-3PG Green 3-point laser level, carrying pouch, wall bracket, floor stand

FLUKE-180LR Red 2-line laser level, carrying pouch, wall bracket

FLUKE-180LG Green 2-line laser level, carrying pouch, wall bracket

FLUKE-180LR SYSTEM Red 2-line laser level, carrying case, wall bracket, red laser detector, rod clamp

FLUKE-180LG SYSTEM Green 2-line laser level, carrying case, wall bracket, green laser detector, rod clamp

FLUKE-LDG Green laser detector and rod clamp

FLUKE-LDR Red laser detector and rod clamp

Fluke. *Keeping your world up and running.®*

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