

Fluke 180LR and Fluke 180LG Laser Level Systems

Fluke laser level systems include a portable laser detector for use in high ambient light situations.



Overview

Fluke laser level systems include a portable laser detector for use in high ambient light situations. They not only show bright, crisp plumb and level lines across a 180-degree field of view, they 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 project level lines, plumb lines, a combination of level and plumb, as well as 90-degree lines which can be projected at any angle. Fluke line laser levels are accurate to 3 mm at 10 meters (1/8 inch accuracy at 30 feet). The fast settling, self-leveling gimbal quickly gives you accurate reference lines; long and tedious layouts will become a thing of past.

Fluke LDR and Fluke LDG Laser Line Detectors work with Fluke 2-line laser levels to provide fast, accurate detection of plumb and level lines in high ambient light situations. They offer both visual and audible indicators to help you accurately find your laser lines. A mounting bracket is included for fast, stable temporary installation.

Specs

Line Lasers

Specifications	
Light source	Semiconductor laser diode
Leveling range	≤6°
Leveling	Automatic
Working range	≤60 m
Accuracy	≤3 mm @ 9 m
Batteries	3 x AA Alkaline IEC LR6
Battery life	Red ≥35 hrs, continuous use with single beam
	Green 2 hrs to 6 hrs, continuous use with single beam
Dimensions (H x W x L)	93 x 61 x 93 mm
Weight (with batteries)	0.50 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)
Operating altitude	2000 m
Storage altitude	12000 m
Safety	
General	IEC 61010-1: Pollution Degree 2
Laser	IEC 60825-1: Class 3R
Max output power	<5 mW
Wavelength	Red: 635 nm Green: 510 nm

Laser Detectors

Specifications	
Leveling	Automatic
Working range	≤60 m
Detection height	≤50 mm
Accuracy	Fine: 0.75 mm
	Medium: 1.75 mm
Batteries	1 x 9 V Alkaline IEC LR61
Battery life	Red ≥30 hrs, continuous use
	Green ≥30 hrs, continuous use
Dimensions (H x W x L)	94 mm x 94 mm x 42 mm
Weight (with batteries)	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)
Operating altitude	2000 m
Storage altitude	12000 m
Safety	
General	IEC 61010-1: Pollution Degree 2