

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
<b>Light source</b>		Semiconductor laser diode		NA
<b>Leveling range</b>		≤6 °		NA
<b>Leveling</b>		Automatic		
<b>Working range</b>		≤30 m	≤60 m	≤60 m
<b>Detection height</b>		NA		≤50 mm
<b>Accuracy</b>		≤6 mm @ 30 m	≤3 mm @ 9 m	Fine: 0.75 mm Medium: 1.75 mm
<b>Batteries</b>		3 x AA Alkaline IEC LR6		1 x 9 V Alkaline IEC LR61
<b>Battery life</b>	<b>Red</b>	≥30 hrs, continuous use	≥35 hrs, continuous use with single beam	≥30 hrs, continuous use
	<b>Green</b>	10 hrs to 12 hrs, continuous use	2 hrs to 6 hrs, continuous use with single beam	
<b>Dimensions (H x W x L)</b>		140 mm x 102 mm x 57 mm	93 mm x 61 mm x 93 mm	94 mm x 94 mm x 42 mm
<b>Weight (with batteries)</b>		0.52 kg	0.50 kg	0.20 kg
<b>Temperature</b>	<b>Operating</b>	-18 °C to +50 °C		
	<b>Storage</b>	-40 °C to +70 °C With batteries: -20 °C to +50 °C		
<b>Relative humidity</b>		0 % to 90 % (0 °C to 35 °C) 0 % to 75 % (35 °C to 40 °C) 0 % to 45 % (40 °C to 50 °C)		
<b>Altitude</b>	<b>Operating</b>	2000 m		
	<b>Storage</b>	12 000 m		
<b>Warranty</b>		3 years		
<b>Safety</b>				
<b>General</b>		IEC 61010-1: Pollution Degree 2		
<b>Laser</b>		IEC 60825-1: Class 3R		
<b>Max output power</b>		<5 mW		
<b>Wavelength</b>		Red: 635 nm Green: 510 nm		
				NA

## Electromagnetic compatibility (EMC)

<b>International</b>	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.	
<b>Korea (KCC)</b>	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.	
<b>USA (FCC)</b>	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.*<sup>®</sup>

**Fluke Corporation**  
PO Box 9090, Everett, WA 98206 U.S.A.

**Fluke Europe B.V.**  
PO Box 1186, 5602 BD  
Eindhoven, The Netherlands

**For more information call:**  
In the U.S.A. (800) 443-5853 or  
Fax (425) 446-5116  
In Europe/M-East/Africa +31 (0) 40 2675 200 or  
Fax +31 (0) 40 2675 222  
In Canada (800)-36-FLUKE or  
Fax (905) 890-6866  
From other countries +1 (425) 446-5500 or  
Fax +1 (425) 446-5116  
Web access: <http://www.fluke.com>

©2016 Fluke Corporation.  
Specifications subject to change without notice.  
7/2016 6008139c-en

**Modification of this document is not permitted without written permission from Fluke Corporation.**