

## TECHNICAL DATA

# PLS 180 Red and Green

## Continuous Line Laser Levels



A Fluke Brand



### RUGGED – 1 METER DROP TESTED

Rugged design withstands rough handling on the job site.

### ACCURATE

Complete jobs faster with high accuracy measurements

3 mm at 10 meters (1/8-inch accuracy at 30 feet)

### EASY TO USE

Magnetic wall bracket for easy, stable mounting and fast layout

One button operation to toggle to different presets

PLS lasers provide bright, crisp reference points and lines, for quick and accurate layout. Built by contractors for contractors. Now more rugged than ever, with a protective drop sleeve tested to survive a one meter drop. PLS tools were developed out of necessity by professional carpenters with over 50 years of experience in commercial and residential interior and exterior layout.

PLS continuous line laser 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 layout will become a thing of past.

### Product Overview

- Rugged design withstands rough handling on the job site; drop tested to 1 meter
- Includes magnetic wall bracket for easy, stable mounting
- Self-leveling, horizontal- and vertical-cross line laser level for rapid, accurate leveling and layout
- Accurate to 3 mm at 10 meters (1/8 inch at 30 feet)
- Green laser for improved visibility. Up to 3 times brighter, and suited for long range applications (PLS 180 green only)



PLS 180 Green System (includes SLD detector)



## SPECIFICATIONS

<b>Light source</b>		Semiconductor laser diode
<b>Leveling range</b>		≤6 °
<b>Leveling</b>		Automatic
<b>Working range</b>		+/- 200 Feet (61 meters) w/ SLD Detector
<b>Accuracy</b>		+/- 1/8 inch @ 30 Feet (+/- 3mm @ 10 meters)
<b>Battery life</b>	<b>Batteries</b>	3 x AA Alkaline IEC
	<b>Red</b>	≥35 hours, continuous use with single beam
	<b>Green</b>	2 hours to 6 hours, continuous use with single beam
<b>Dimensions (H x W x L)</b>		3.6" x 2.25" x 3.5"
<b>Weight (with batteries)</b>		1.7lbs (.77kg.)
<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 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 2
<b>Max output power</b>		<5 mW
<b>Wavelength</b>		Red: 635 nm Green: 510 nm



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**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.

**ORDERING INFORMATION:**

Part #	SKU	Description
4914018	PLS-60521N	PLS 180 Red Tool
4914029	PLS-60522N	PLS 180 Red System w/
4914052	PLS-60596N	PLS 180 Green Tool
4914076	PLS-60619N	PLS 180 Green System w/ Green SLD

**WHAT'S IN THE BOX?**

**PLS 180 Red** 2-line laser level with drop sleeve, carrying pouch, wall bracket, user manual and protective case

**PLS 180 Green** 2-line laser level with drop sleeve, carrying pouch, wall bracket, user manual and protective case

**PLS 180 Red** 2-line laser level system with drop sleeve, carrying pouch, wall bracket, red SLD detector, user manual and protective case

**PLS 180 Green** 2-line laser level with drop sleeve, carrying pouch, wall bracket, green SLD detector, user manual and protective case

**Pacific Laser Systems– The Professional Standard**

**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. 1-800-601-4500

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**Web access:** <http://www.plslaser.com>

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