

TECHNICAL DATA

PLS 180G Laser Level



Key features

- Accuracy: $\leq 1/8$ in at 30 ft. (≤ 3 mm @ 10 m)
- Green beam laser
- Horizontal fan angle: 180 °
- Vertical fan angle: 130°
- Durable pendulum lock
- IP54 rating to limit dust and water entry for years of operation on the job site.

Product overview: PLS 180G Laser Level

The new PLS 180G green laser levels offer the durability and precision you expect from PLS, a Fluke Company. The fast settling, self-leveling pendulum gives you accurate point and reference lines almost instantly. Additionally, these products feature a pendulum lock to secure the laser during transport or if dropped.

- This professional self-leveling cross line laser level in both red and green is equipped for multiple applications including wall construction, acoustic ceiling installation, tile installation, residential and commercial construction.
- Kit includes magnetic L-bracket for fast, easy overhang and center- line measurements and the UB9 Universal Wall/Ceiling Bracket for fine vertical adjustment and ceiling installation.
- System includes the SLD laser line detector for use in bright lighting, long distances, or outdoors.

Specifications: PLS 180G Laser Level

Rotary levels		PLS 180R, 180G
Battery		3 x AA Alkaline IEC LR6
Battery Life, Continuous Use		
Red		≥ 8 hours (both lasers)
Green		≥ 3 hours (both lasers)
Point Laser Direction		90° up, down, left, right
Line Fan Angle		
Horizontal		≥ 180°
Vertical		≥ 130°
Working Range		
Line Laser		
Without SLD		≤15 m (50 ft.)
With SLD		6 m to 60 m (20 ft. to 200 ft.)
Laser Leveling		
System		Automatic, Pendulum
Range		4°
Line Laser Width		≤2 mm at 5 m
Temperature		
Line Laser Width		≤2 mm at 5 m
Operating		-10 °C to 50 °C (14 °F to 122 °F)
Storage		
With Batteries		-18 °C to 50 °C (-0.4 °F to 122 °F)
Without Batteries		-20 °C to 70 °C (-13 °F to 158 °F)
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)
Size (H x W x L)		116 mm x 64 mm x 104 mm (4.6 in x 2.5 in x 4.1 in)
Weight		~ 0.6 kg (1.3 lb.)
Safety		IEC 61010-1: Pollution Degree 2
Laser		IEC 60825-1:2014 Class 2
Light Source		Semiconductor laser diode
Max Output Power		< 1 mW
Wavelength		
Red		635 nm ± 5 nm
Green		525 nm ± 5 nm

Electromagnetic compatibility (EMC)

International	IEC 61326-1: Basic Electromagnetic Environment CISPR 11: Group 1, Class B 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 B: Equipment is suitable for use in domestic establishments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes. Emissions that exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object
Korea (KCC)	Class B Equipment (Broadcast communications equipment for home)
USA (FCC)	47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.

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