

TECHNICAL DATA

PLS 6G Laser Levels







Key features

- Accuracy: $\pm 1/8$ in at 30 ft. (± 3 mm @ 10 m)
- Green beam laser
- Point Laser Direction: 90° up, down, left, right
- 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 6G Laser Levels

The new PLS 6G green laser levels offer the durability and precision you expect from PLS, a Fluke Company. We've replaced the PLS 4 red with the PLS 6 and created both a red and green version. 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.

- Plumb, level, and square with one tool. This professional self-leveling combination point and cross line laser level in red and green includes vertical and horizontal modes with lines and points combined. Great for metal or wood stud installation, general layout, square alignment, or finish carpentry.
- Kit includes floor stand, magnetic L-bracket, and UB9 wall and ceiling bracket for fast, easy overhang and centerline measurements.
- System includes the SLD laser line detector for use in bright lighting, long distances, or outdoors.

Specifications: PLS 6G Laser Levels

Rotary levels		PLS 6R, 6G
Baery		3 x AA Alkaline IEC LR6
Baery 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		
Point Laser (6 only)		□30 m (100 ft.)
Line Laser		
Without SLD		□15 m (50 ft.)
With SLD		6 m to 60 m (20 ft. to 200 ft.)
Accuracy		□3 mm @ 10 m (□1/8 in at 30 ft.)
Laser Leveling		
System		Automatic, Pendulum
Range		4°
Line Laser Width		□2 mm at 5 m
Temperature		
Operating		-10 °C to 50 °C (14 °F to 122 °F)
Storage		
With Baeries		-18 °C to 50 °C (-0.4 °F to 122 °F)
Without Baeries		-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)	
Inteational	<p>IEC 61326-1: Basic Electromagnetic Environment CISPR 11: Group 1, Class B</p> <p>Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the inteal function of the equipment itself.</p> <p>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.</p> <p>Emissions that exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object</p>
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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