TECHNICAL DATA

PLS 6R, 6G Line and Point Laser Levels

PLS 180R, 180G Line Laser Levels

Increase your run time by 3X with the Li-Ion battery pack, now included.



Accuracy
PLS 180R, 180G, PLS 6R, 6G is accurate to ≤1/8 in at 30 ft. (≤3 mm @ 10 m)

Horizontal fan angle: 180°

Vertical fan angle: 130°

Pendulum lock
The PLS 6 and PLS 180 are equipped with a pendulum lock, ensuring safe transport and the ability to lock the laser level in tilt mode.

IP54
IP 54 rating to limit dust and water entry for years of operation on the job site.

Lithium-ion battery

3 Best-in-Class WARRANTY YEAR

PLS laser levels are backed by a three-year best-in-class warranty, ensuring you don't lose any time on the job. If you experience issues with your PLS tools during the warranty period, except for obvious misuse or damage, your local dealer can provide you a same day replacement tool.

Level. Layout. Build.™

The new PLS 6 and PLS 180 red and 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.

PRODUCT OVERVIEW

All laser level models

- Accuracy: ≤1/8 in at 30 ft. (≤3 mm @ 10 m)
- Durable pendulum lock

PLS 6R, PLS 6G

- 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.
- Kit includes rechargeable battery pack, floor stand, magnetic L-bracket, and UB9 wall and ceiling bracket for fast, easy overhang and centerline measurements.
- System includes rechargeable battery pack and the SLD laser line detector for use in bright lighting, long distances, or outdoors.

PLS 180R, PLS 180G

- 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 rechargeable battery pack, magnetic L-bracket for fast, easy overhang and centerline measurements and the UB9 Universal Wall/Ceiling Bracket for fine vertical adjustment and ceiling installation.
- System includes rechargeable battery pack and the SLD laser line detector for use in bright lighting, long distances, or outdoors.

PLS RBP5 Rechargeable Battery Pack

- Maximize your laser level operating time up to 3x and eliminate alkaline battery purchases

PLS, The Professional Standard— Built by contractors for contractors

PLS lasers provide bright, crisp reference points and lines for quick and accurate layout. As the Professional Standard of laser levels, PLS tools were developed out of necessity by professional contractors with over 50 years of experience in commercial and residential interior and exterior layout.

Specifications

	PLS 6R, 6G	PLS 180R, 180G
Battery		
3 x AA Alkaline IEC LR6		
AA Alkaline battery life, continuous use	PLS 6R ≥ 8 hours, PLS 6G ≥ 3 hours	PLS 180R ≥ 8 hours, PLS 180G ≥ 3 hours
RBP5		
Li-Ion battery life, continuous use	PLS 6R >=30 hours, PLS 6G >=12 hours	PLS 180R >=30 hours, PLS 180G >=12 hours
Point Laser Direction (6 only)	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 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.	



Ordering information

Laser levels			
Part number	**SKU**	**Item description**	**What's in the box**
5009423	PLS 6R Z	Cross Line and Point Red Laser Bare Tool	PLS 6R laser level, PLS canvas pouch, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS BP5 alkaline battery pack, Safety Sheet and Quick Reference Guide
5195802	PLS 6R RBP KIT	Cross Line and Point Red Laser Kit	PLS 6R laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS UB9 Universal Ceiling and Wall Bracket, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS RRT4 Red Reflective Target, Safety Sheet and Quick Reference Guide
5195833	PLS 6R RBP SYS	Cross Line and Point Red Laser System	PLS 6R laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS SLD-RED Red Laser Line Detector, PLS 60520 SLD Clamp, PLS UB9 Universal Ceiling and Wall Bracket, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS RRT4 Red Reflective Target, Safety Sheet and Quick Reference Guide
5009461	PLS 6G Z	Cross Line and Point Green Bare Tool	PLS 6G laser level, PLS canvas pouch, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS BP5 alkaline battery pack, Safety Sheet and Quick Reference Guide
5116068	PLS 6G RBP KIT	Cross Line and Point Green Laser Kit	PLS 6G laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS UB9 Universal Ceiling and Wall Bracket, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS GRT4 Green Reflective Target, Safety Sheet and Quick Reference Guide
5116079	PLS 6G RBP SYS	Cross Line and Point Green Laser System	PLS 6G laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS SLD-GREEN Green Laser Line Detector, PLS 60520 SLD Clamp, PLS UB9 Universal Ceiling and Wall Bracket, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS GRT4 Green Reflective Target, Safety Sheet and Quick Reference Guide
5017279	PLS 180R Z	Cross Line Red Laser Bare Tool	PLS 180R laser level, PLS canvas pouch, PLS MLB Magnetic L-Bracket, PLS BP5 alkaline battery pack, Safety Sheet and Quick Reference Guide
5195840	PLS 180R RBP KIT	Cross Line Red Laser Kit	PLS 180R laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS UB9 Universal Ceiling and Wall Bracket, PLS MLB Magnetic L-Bracket, PLS RRT4 Red Reflective Target, Safety Sheet and Quick Reference Guide
5195857	PLS 180R RBP SYS	Cross Line Red Laser System	PLS 180R laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS SLD-RED Red Laser Line Detector, PLS 60520 SLD Clamp, PLS UB9 Universal Ceiling and Wall Bracket, PLS MLB Magnetic L-Bracket, PLS RRT4 Red Reflective Target, Safety Sheet and Quick Reference Guide
5017287	PLS 180G Z	Cross Line Green Laser Bare Tool	PLS 180G laser level, PLS canvas pouch, PLS MLB Magnetic L-Bracket, PLS BP5 alkaline battery pack, Safety Sheet and Quick Reference Guide
5116087	PLS 180G RBP KIT	Cross Line Green Laser Kit	PLS 180G laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS UB9 Universal Ceiling and Wall Bracket, PLS MLB Magnetic L-Bracket, PLS GRT4 Green Reflective Target, Safety Sheet and Quick Reference Guide
5116093	PLS 180G RBP SYS	Cross Line Green Laser System	PLS 180G laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS SLD-GREEN Green Laser Line Detector, PLS 60520 SLD Clamp, PLS UB9 Universal Ceiling and Wall Bracket, PLS MLB Magnetic L-Bracket, PLS GRT4 Green Reflective Target, Safety Sheet and Quick Reference Guide



Ordering information

Accessories			
Part number	**SKU**	**Item description**	**What's in the box**
4792193	PLS-60573	PLS Pouch, Canvas	PLS Pouch, Canvas
5031929	PLS FS	Floor Stand for PLS 3, 5, 6	PLS FS Floor Stand
5031934	PLS MLB	Magnetic L-Bracket, PLS 3, 5, 6, 180	PLS MLB Magnetic L-Bracket
5031952	PLS BP5	BP5 Alkaline Battery Pack	PLS BP5 Alkaline Battery Pack
4966636	PLS UB9	UB9 Universal Ceiling/Wall Bracket	PLS UB9, Quick Reference Guide
4978515	PLS SLD RED	SLD Red Detector W/ Bracket	PLS 60520 SLD clamp, Battery, Quick Reference Guide
4978526	PLS SLD GREEN	SLD Green Detector W/ Bracket	PLSPLS 60520 SLD clamp, Battery, Quick Reference Guide
5022629	PLS RRT4	Red Magnetic Reflective Target	RRT4 red reflective target
5022634	PLS GRT4	Green Magnetic Reflective Target	GRT4 green reflective target
4985124	PLS C18	Laser Level Tool Box	PLS C18 Laser Level Tool Box
5023322	PLS RBP5	Li-Ion battery for PLS hand held lasers with charging cord and adapters	Li-Ion battery for PLS hand held lasers complete with charging cord and adapters
5075484	PLS RBP SINGLE PK	Single pack RBP5 Li-Ion battery for PLS line and dot lasers	Li-Ion battery only
5031965	PLS RBC5	Charging cord with adapters for RBP5 Li-Ion battery	Li-Ion battery charging cord with adapters
5214798	PLS HC20	HC20 Line Level Hard Case	Hard Case for all dot line lasers

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