

TECHNICAL DATA

# PLS 180R KIT, Cross Line Red Laser Kit





## Key features

- Accuracy:  $\pm 1/8$  in at 30 ft. ( $\pm 3$  mm @ 10 m)
- Red 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 180R KIT, Cross Line Red Laser Kit

The new PLS 180R red 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 180R KIT, Cross Line Red Laser Kit

Rotary levels	PLS 180R, 180G
<b>Baery</b>	3 x AA Alkaline IEC LR6
<b>Baery Life, Continuous Use</b>	
<b>Red</b>	$\approx$ 8 hours (both lasers)
<b>Green</b>	$\approx$ 3 hours (both lasers)
<b>Point Laser Direction</b>	90° up, down, left, right
<b>Line Fan Angle</b>	
<b>Horizontal</b>	$\approx$ 180°
<b>Vertical</b>	$\approx$ 130°
<b>Working Range</b>	
<b>Line Laser</b>	
<b>Without SLD</b>	$\approx$ 15 m (50 ft.)
<b>With SLD</b>	6 m to 60 m (20 ft. to 200 ft.)
<b>Laser Leveling</b>	
<b>System</b>	Automatic, Pendulum
<b>Range</b>	4°
<b>Line Laser Width</b>	$\approx$ 2 mm at 5 m
<b>Temperature</b>	

<b>Line Laser Width</b>	□2 mm at 5 m
<b>Operating</b>	-10 °C to 50 °C (14 °F to 122 °F)
<b>Storage</b>	
<b>With Baeries</b>	-18 °C to 50 °C (-0.4 °F to 122 °F)
<b>Without Baeries</b>	-20 °C to 70 °C (-13 °F to 158 °F)
<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>Size (H x W x L)</b>	116 mm x 64 mm x 104 mm (4.6 in x 2.5 in x 4.1 in)
<b>Weight</b>	~ 0.6 kg (1.3 lb.)
<b>Safety</b>	IEC 61010-1: Pollution Degree 2
<b>Laser</b>	IEC 60825-1:2014 Class 2
<b>Light Source</b>	Semiconductor laser diode
<b>Max Output Power</b>	< 1 mW
<b>Wavelength</b>	
<b>Red</b>	635 nm ± 5 nm
<b>Green</b>	525 nm ± 5 nm

#### Electromagnetic compatibility (EMC)

<b>Inteational</b>	<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 inteval 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>
<b>Korea (KCC)</b>	Class B Equipment (Broadcast communications equipment for home)
<b>USA (FCC)</b>	47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.

## Ordering information



### **PLS 180R KIT**

Cross Line Red Laser Kit

Includes:

- PLS 180R laser level
- PLS canvas pouch
- PLS BP5 alkaline battery pack
- Safety Sheet and Quick Reference Guide
- PLS UB9 Universal Ceiling and Wall Bracket
- PLS FS Floor Stand
- PLS MLB Magnetic L-Bracket
- PLS RRT4 Red Reflective Target



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03/2025

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