

TECHNICAL DATA

# PLS HV2R KIT, Manual Slope Red Rotary Laser Kit



## Key features

- Accuracy:  $\leq 2.2$  mm @ 30 m ( $\leq 3/32$  in @ 100 ft)
- Laser Axis: Green Horizontal and Vertical
- Working range:  $\leq 30$  m (100 ft)
- Working range with XLD:  $\leq 300$  m (1000 ft radius)
- 1-meter drop tested
- IP67 certified protected from dust and immersion in water with a depth of up to 1 m (or 3.3 ft) for up to 30 minutes

## Product overview: PLS HV2R KIT, Manual Slope Red Rotary Laser Kit

The PLS HV2R red beam rotary lasers are designed for the construction job site, offering a rugged ergonomic design and simplified controls. The HV2R emits a laser line in the horizontal or vertical plane. The HV2R rotary lasers also emit a point from the top when placed in the vertical position. The HV2R lasers are ideal for use by general contractors, electricians, plumbers, and landscapers in both interior and exterior applications.

These professional-grade tools offer the accuracy and durability you can expect from PLS, a Fluke Company.

- The HV2R rotary laser level emits a self-leveling horizontal laser plane and can be used in the vertical position to emit a vertical laser plane. Applications include setting foundations and footings, concrete pours, drywall terracing, contour framing and suspended ceiling installation.
- HV2R comes with metal ceiling and wall bracket to help with large suspended ceiling layout and installation
- The kit includes elevating tripod and 16-foot grade rod.

## Specifications: PLS HV2R KIT, Manual Slope Red Rotary Laser Kit

Rotary levels	PLS HV2R	PLS HV2G
Laser	Class II red	Class II green
Laser axis	Horizontal and Vertical	Horizontal and vertical
Accuracy	≤ 2.2 mm @ 30 m (≤ 3/32 in @ 100 ft)	≤ 2.2 mm @ 30 m (≤ 3/32 in @ 100 ft)
Auto-leveling range	± 5-degrees	± 5-degrees
Manual slope range	± 5-degrees	± 5-degrees
<b>Working range</b>		
Without XLD laser detector	≤ 30 m (100 ft)	≤ 30 m (100 ft)
With XLD laser detector	≤ 300 m (1000 ft)	≤ 300 m (1000 ft)
Weight	3 kg (6.6 lb)	3 kg (6.6 lb)
Drop test	1 m	1 m
IP rating	IP67	IP67
Operating temperature	-20 °C to 50 °C (-4 °F to 122 °F)	-20 °C to 50 °C (-4 °F to 122 °F)
Battery	4 x D Alkaline or NiMH rechargeable	4 x D Alkaline or NiMH rechargeable
Battery life	> 60 hours	> 60 hours

Accessories	PLS XLD Rotary Laser Detector
Working range	300m (1000 ft)
Dimensions	135 mm x 69 mm x 25 mm
Weight	0.19 kg (0.42 lbs)
Drop test	1 m
IP rating	IP67
Operating temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Battery	1 x AA Alkaline
Battery life	> 50 hours
Visible spectrum	450 nm – 800 nm
<b>Accuracy</b>	
Fine	1 mm (0.05 in)
Medium	2 mm (0.1 in)
Coarse	5 mm (0.2 in)

### Electromagnetic compatibility (EMC)

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

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