

TECHNICAL DATA

# PLS H2, HV2R, HV2G Rotary Lasers



### Accuracy

H2, HV2R, HV2G is accurate to  $\leq 2.2 \text{ mm @ } 30 \text{ m}$  ( $\leq 3/32 \text{ in @ } 100 \text{ ft}$ )

Working range radius up to 1000 ft (300 m)



### IP67

IP67 certified protects from dust and immersion in water with a depth of up to 1 m (or 3.3 ft) for up to 30 minutes



### 1-meter drop tested



### 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.<sup>™</sup>

The PLS H2 and HV2 family of rotary lasers are designed for the construction job site, offering a rugged ergonomic design and simplified controls. The H2 model is a horizontal only rotary laser that offers a simple one button operation, while the HV2 model in red or green emits a laser line in the horizontal or vertical plane. The HV2 rotary lasers also emit a point from the top when placed in the vertical position. The H2 and HV2 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.

## PRODUCT OVERVIEW

### All laser level models

- Accurate  $\leq 2.2 \text{ mm @ } 30 \text{ m}$  ( $\leq 3/32 \text{ in @ } 100 \text{ ft}$ )
- IP67
- 1-meter drop tested

### PLS H2

- The H2 is a horizontal-only rotary laser. The H2 is easy-to-use and fully self-leveling, designed for interior and exterior layout projects.
- This fully automatic unit offers one-button operation and is ideal for large exterior layout applications which include concrete forms, slabs, and other horizontal leveling applications.
- The kit includes an elevating tripod and a 16-foot grade rod.

### PLS HV2R, HV2G

- The HV2R and HV2G 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.
- The HV2R and HV2G come with a metallic ceiling and wall bracket to help with large suspended ceiling layout and installation.
- The kit includes an elevating tripod and a 16-foot grade rod.

### 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. Now, as a Fluke Company, PLS incorporated Fluke's high standards for accuracy, ruggedness, and dependability.

## Specifications

Rotary levels	PLS H2	PLS HV2R	PLS HV2G
<b>Laser axis</b>	Horizontal only	Horizontal and Vertical	Horizontal and vertical
<b>Accuracy</b>	≤ 2.2 mm @ 30 m (≤ 3/32 in @ 100 ft)		
<b>Auto-leveling range</b>	± 5-degrees		
<b>Manual slope range</b>	± 5-degrees		
<b>Working range</b>			
Without XLD laser detector	≤ 30 m (100 ft)		
With XLD laser detector	≤ 300 m (1000 ft)		
<b>Weight</b>	2.89 kg (6.4 lb)	3 kg (6.6 lb)	3 kg (6.6 lb)
<b>Drop test</b>	1 m		
<b>IP rating</b>	IP67		
<b>Operating temperature</b>	-20 °C to 50 °C (-4 °F to 122 °F)		
<b>Battery</b>	4 x D Alkaline or NiMH rechargeable		
<b>Battery life</b>	> 60 hours		
<b>Laser</b>	IEC/EN 60825-1:2014 Class 2		
Light source	Semiconductor laser diode		
Max output power	< 1 mW		
<b>Wavelength</b>	635 nm ±10nm	635 nm ±10nm	525 nm ±10nm
<b>Accessories</b> <span style="float: right;"><b>PLS XLD Rotary Laser Detector</b></span>			
<b>Working range</b>	300m (1000 ft)		
<b>Dimensions</b>	135 mm x 69 mm x 25 mm		
<b>Weight</b>	0.19 kg (0.42 lbs)		
<b>Drop test</b>	1 m		
<b>IP rating</b>	IP67		
<b>Operating temperature</b>	-20 °C to 50 °C (-4 °F to 122 °F)		
<b>Battery</b>	1 x AA Alkaline		
<b>Battery life</b>	> 50 hours		
<b>Visible spectrum</b>	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)		
<b>Electromagnetic compatibility (EMC)</b>			
<b>International</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 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>		
<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

Rotary levels			
Part number	SKU	Item description	What's in the box
5022470	PLS H2 Z	PLS H2 Red Rotary Laser Bare Tool	PLS H2 Rotary Laser Level, PLS BP10 Alkaline Battery Tray with 4x D batteries, Safety Sheet and Quick Reference Guide
5022481	PLS H2 SYS	PLS H2 Red Rotary Laser System	PLS H2 Rotary Laser Level, PLS BP10 Alkaline Battery Tray with 4x D batteries, PLS RBP10 NiMH Rechargeable Battery Tray with BC20 Universal Charging Cord, PLS XLD Rotary Laser Detector, PLS XLD Clamp, PLS RRT4 Red Reflective Target, Safety Sheet and Quick Reference Guide
5022496	PLS H2 KIT	PLS H2 Red Rotary Laser Kit with Tripod and Grade Rod	PLS H2 Rotary Laser Level, PLS BP10 Alkaline Battery Tray with 4x D batteries, PLS RBP10 NiMH Rechargeable Battery Tray with BC20 Universal Charging Cord, PLS XLD Rotary Laser Detector, PLS XLD Clamp, PLS RRT4 Red Reflective Target, PLS TPOD500 Elevator Tripod, PLS GR16 Grade Rod, Safety Sheet and Quick Reference Guide
5022501	PLS HV2R Z	PLS HV2R Red Rotary Laser Bare Tool	PLS HV2R Rotary Laser Level, PLS BP10 Alkaline Battery Tray with 4x D batteries, Safety Sheet and Quick Reference Guide
5022512	PLS HV2R SYS	PLS HV2R Red Rotary Laser System with Detector Laser Bare Tool	PLS HV2R Rotary Laser Level, PLS BP10 Alkaline Battery Tray with 4x D batteries, PLS RBP10 NiMH Rechargeable Battery Tray with BC20 Universal Charging Cord, PLS RC2 Remote Control, PLS XLD Rotary Laser Detector, PLS XLD Clamp, PLS WCB10 Rotary Wall and Ceiling Mount, PLS RRT4 Red Reflective Target, Safety Sheet and Quick Reference Guide
5022558	PLS HV2R KIT	PLS HV2R Red Rotary Laser Kit with Tripod and Grade Rod	PLS HV2R Rotary Laser Level, PLS BP10 Alkaline Battery Tray with 4x D batteries, PLS RBP10 NiMH Rechargeable Battery Tray with BC20 Universal Charging Cord, PLS RC2 Remote Control, PLS XLD Rotary Laser Detector, PLS XLD Clamp, PLS WCB10 Rotary Wall and Ceiling Mount, PLS RRT4 Red Reflective Target, PLS TPOD500 Elevator Tripod, PLS GR16 Grade Rod, Safety Sheet and Quick Reference Guide
5022535	PLS HV2G Z	PLS HV2G Green Rotary Laser Bare Tool	PLS HV2G Rotary Laser Level, PLS BP10 Alkaline Battery Tray with 4x D batteries, Safety Sheet and Quick Reference Guide
5022547	PLS HV2G SYS	PLS HV2G Green Rotary Laser System with Detector	PLS HV2G Rotary Laser Level, PLS BP10 Alkaline Battery Tray with 4x D batteries, PLS RBP10 NiMH Rechargeable Battery Tray with BC20 Universal Charging Cord, PLS RC2 Remote Control, PLS XLD Rotary Laser Detector, PLS XLD Clamp, PLS WCB10 Rotary Wall and Ceiling Mount, PLS GRT4 Green Reflective Target, Safety Sheet and Quick Reference Guide
5022520	PLS HV2G KIT	PLS HV2G Green Rotary Laser Kit	PLS HV2G Rotary Laser Level, PLS BP10 Alkaline Battery Tray with 4x D batteries, PLS RBP10 NiMH Rechargeable Battery Tray with BC20 Universal Charging Cord, PLS RC2 Remote Control, PLS XLD Rotary Laser Detector, PLS XLD Clamp, PLS WCB10 Rotary Wall and Ceiling Mount, PLS GRT4 Green Reflective Target, PLS TPOD500 Elevator Tripod, PLS GR16 Grade Rod, Safety Sheet and Quick Reference Guide
Accessories			
5022629	PLS RRT4	Red Magnetic Reflective Target	PLS RRT4 Red Reflective Target
5022634	PLS GRT4	Green Magnetic Reflective Target	PLS GRT4 Green Reflective Target
5022564	PLS RC2	Rotary Laser Remote Control	PLS RC2 Rotary Laser Remote Control, battery
5037696	PLS XLD	Rotary Laser Detector with Clamp	PLS XLD Clamp, AA battery, quick reference guide
5037709	PLS XLD CLAMP	Rotary Detector Clamp	PLS XLD Clamp
5022586	PLS C19	Rotary Laser Carrying Case	PLS C19 Rotary Laser Level Carrying Case
5022599	PLS BP10	Rotary Alkaline Battery for H2, HV2	PLS BP10 Rotary Alkaline Battery Tray
5022607	PLS RBP10	Rechargeable Battery for H2, HV2	PLS RBP10 NiMH Rechargeable Battery Pack, PLS BC20 Charging Cord with charging adapters

