

TECHNICAL DATA

PLS H2, HV2R, HV2G Rotary Lasers



Accuracy

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

Working range radius up to 1000 ft (300 m)



IP67

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



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.[™]

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 ≤ 2.2 mm @ 30 m ($\leq 3/32$ in @ 100 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 elevating tripod and 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.
- HV2R and HV2G come 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.

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 |
|--|--|--------------------------------------|--------------------------------------|
| Laser | Class II red | Class II red | Class II green |
| Laser axis | Horizontal only | 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) | ≤ 2.2 mm @ 30 m (≤ 3/32 in @ 100 ft) |
| Auto-leveling range | ± 5-degrees | ± 5-degrees | ± 5-degrees |
| Manual slope range | ± 5-degrees | ± 5-degrees | ± 5-degrees |
| Working range | | | |
| Without XLD laser detector | ≤ 30 m (100 ft) | ≤ 30 m (100 ft) | ≤ 30 m (100 ft) |
| With XLD laser detector | ≤ 300 m (1000 ft) | ≤ 300 m (1000 ft) | ≤ 300 m (1000 ft) |
| Weight | 2.89 kg (6.4 lb) | 3 kg (6.6 lb) | 3 kg (6.6 lb) |
| Drop test | 1 m | 1 m | 1 m |
| IP rating | IP67 | IP67 | IP67 |
| Operating temperature | -20 °C to 50 °C (-4 °F to 122 °F) | -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 | 4 x D Alkaline or NiMH rechargeable |
| Battery life | > 60 hours | > 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 | | |
| Accuracy | | | |
| Fine | 1 mm (0.05 in) | | |
| Medium | 2 mm (0.1 in) | | |
| Coarse | 5 mm (0.2 in) | | |
| Electromagnetic compatibility (EMC) | | | |
| International | <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> | | |
| 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

| 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 |



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