

Laser Levels

From point and line to rotary lasers, Fluke laser levels provide bright, crisp reference points and lines for quick and accurate layout of many jobs.

PLS tools were developed out of necessity by professional contractors with of 50 years of experience in commercial and residential interior and external layouts.



PLS 3x360R and 3x360G Three-plane Laser Levels



PLS 3x360R



PLS 3x360G



Lighten your toolbelt – plumb, level and square with one tool

The PLS 3x360R and 3x360G Three-plane Laser Levels combine the best qualities of your favorite PLS gear, now with best-in-class accuracy and new features including a rechargeable battery pack with charging adaptor, and a pendulum lock for added protection during transportation.

- Accuracy of 2 mm at 10 meter distance
- Pendulum lock
- Out-of-level warning
- Replaceable glass inserts and metal towers
- IP54 protection rating to limit dust and water entry
- Three-year warranty

PLS, The Professional Standard – Built by contractors for contractors

The PLS 3x360R and 3x360G provide bright, crisp reference points and lines for quick and accurate layout. The 3x360R and 3x360G fill the gap in Fluke’s legacy products that are now discontinued, including the HVL100, PLS 360 and PLS 480.

Recommended Accessories



**PLS HG13X360R/
PLS HG13X360G**
PLS Housing Glass
Insert and Tower for
PLS 3x360R/G



PLS 3x360 MLB
Magnetic L-Bracket w/
Micro and Elevation
Adjustment



PLS 3x360 CB
Ceiling Bracket used
with PLS 3x360 MLB



**PLS RRT4/
PLS GRT4**
Red/Green Reflective
Target



PLS RBP5
Li-ion battery with
charging cord and
adaptors



PLS RBP Single PK
Li-ion battery only



PLS KLD+
Rotary Laser Detector



TPOD300
Elevating Tripod

Key Features	PLS 3x360R	PLS 3x360G
Laser Function		
Battery	Lithium-ion, 3.6 V, 5200 mAh	
Battery	Lithium-ion, 3.6 V, 5200 mAh	
Battery Life, Continuous Use (Typical)	3 beams: ≥ 9 hours 1 beam: ≤ 30 hours	3 beams: ≥ 5 hours 1 beam: ≤ 17 hours
Line Fan Angle		
Horizontal	360°	
Front Vertical	360°	
Side Vertical	360°	
Working Range		
Without Line Detector	20 m (65.61 ft)	35 m (114.82 ft)
With Line Detector	50 m (164.04 ft)	65 m (213.25 ft)
Accuracy	±2 mm @ 10 m distance (±0.07 in @ 32.8 ft distance)	
Laser Leveling		
System	Automatic Pendulum	
Range	Self-leveling: ≤ 4° Out of self-leveling: > 6°	
Leveling Time	≤ 3 seconds	
General Specifications		
Ingress Protection	IEC 60529: IP54	
Weight (With Battery)	0.8 kg (1.76 lb)	
Li-ion Battery Safety	IEC 62133	
Laser Safety		
Light Source	Semiconductor laser diode	
Max Output Power	< 1 mW	
Wavelength		
Red	635 nm ±10 nm	
Green	520 nm ±10 nm	
Electromagnetic Compatibility (EMC)		
International	IEC 61326-1	



Included Accessories

PLS 3x360R/PLS 3x360G Bare Tool: Canvas Pouch

PLS 3x360R/PLS 3x360G Kit: RBP5 (Li-ion), Power Supply, 3x360 Magnetic L-Bracket, Red/Green Reflective Target, Canvas Pouch, Blow Mold Case

Ordering Information

PLS 3x360R Z Tool Three-plane Laser Level Red

PLS 3x360G Z Tool Three-plane Laser Level Green

PLS 3x360R Kit Three-plane Laser Level Kit Red

PLS 3x360G Kit Three-plane Laser Level Kit Green

Contact your local distributor for price and availability.
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PLS H2, HV2R and HV2G Rotary Laser Levels



PLS HV2G



Designed for any construction job site

These professional-grade tools offer the accuracy and durability you can expect from PLS, a Fluke Company. The PLS Rotary range is ideal for use by general contractors, electricians, plumbers and landscapers in both interior and exterior applications.

H2 Rotary Laser Level

The PLS H2 model is a horizontal-only rotary laser that offers a simple one button operation.

- The H2 is a horizontal-only rotary laser. It 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 including concrete forms, slabs, and other horizontal leveling applications.
- Three-year warranty

HV2R (Red Laser) and HV2G (Green Laser)

Offering a rugged ergonomic design and simplified controls, the PLS HV2R/G emits a laser line in the horizontal or vertical plane. The HV2R/G rotary lasers also emit a point from the top when placed in the vertical position.

- The 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.
- Three-year warranty

Specifications	H2	HV2R	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 (0.08 in) @ 30 m (98.42 ft)	≤ 2.2 mm (0.08 in) @ 30 m (98.42 ft)	≤ 2.2 mm (0.08 in) @ 30 m (98.42 ft)
Auto-leveling range	±5 degrees	±5 degrees	±5 degrees
Manual slope range	±5 degrees	±5 degrees	±5 degrees
Working range	≤ 30 m (98.42 ft) without XLD laser detector ≤ 300 m (984.25 ft) with XLD laser detector	≤ 30 m (98.42 ft) without XLD laser detector ≤ 300 m (984.25 ft) with XLD laser detector	≤ 30 m (98.42 ft) without XLD laser detector ≤ 300 m (984.25 ft) with XLD laser detector
Ingress Protection (IEC 60529)	IP67	IP67	IP67
Battery Life	> 60 hours	> 60 hours	> 60 hours

Recommended Accessories



PLS XLD
Laser Detector



TPOD500
Elevating Tripod



PLS RBP10
NiMH Rechargeable
Battery



PLS C19
Rotary Laser Level
Carrying Case

Recommended Kits

Bundle & Save



PLS HV2G KIT, Manual Slope
Green Rotary Laser Kit



PLS HV2R SYS, Manual Slope Red
Rotary Laser System

Included Accessories

PLS BP10 Alkaline Battery Tray, Four D Batteries, Safety Sheet and Quick Reference Guide.

Ordering Information

PLS H2 Z	Horizontal Red Rotary Laser
PLS H2 KIT	Horizontal Red Rotary Laser Kit
PLS H2 SYS	Horizontal Red Rotary Laser System
PLS HV2R Z	Manual Slope R/G Rotary Laser Bare Tool
PLS HV2G Z	Manual Slope R/G Rotary Laser Bare Tool
PLS HV2R KIT	Manual Slope R/G Rotary Laser Kit
PLS HV2G KIT	Manual Slope R/G Rotary Laser Kit
PLS HV2R SYS	Manual Slope R/G Rotary Laser System
PLS HV2G SYS	Manual Slope R/G Rotary Laser System

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PLS Laser Levels



PLS 3G



PLS 180R



Point Laser (3R/G, 5R/G)

The professional self-leveling three-point (3R/G) and five-point (5R/G) laser level, available in red or green laser, allows for fast, accurate layout of reference points.

Three-year warranty.

Combo Line Laser (6R/G)

Plumb, level, and square with one tool. This professional self-leveling combination point and cross line laser level, available in red or green laser, includes vertical and horizontal modes with lines and points combined.

Three-year warranty.

Line Laser (180R/G)

Plumb, level, and square with one tool. This professional self-leveling cross line laser level, available in red or green laser, includes vertical and horizontal modes allowing for fast, accurate, level and plumb reference lines.

Three-year warranty.

SLD Laser Line Detector

Laser line detector compatible with the PLS 6 and PLS 180 laser levels, for use outdoors, or in an area with bright overhead lighting. Visual and audible indicators for ease of use. Includes mounting clamp for quick and steady positioning.

Recommended Accessories



TPOD300
Elevating Tripod



PLS RBP5 Single Pk
Li-Ion Battery Pack



PLS RBC5
Charging Cable



PLS C18
Laser Level Tool Box

Included Accessories

Bare Tool: Canvas Pouch

Kit: Canvas Pouch, Carry Case, Three AA Batteries, Floor Stand, Wall Bracket, Reflective Target. 6R/G and 180R/G models with Rechargeable Battery Pack. 180R/G models with Wall/Ceiling Bracket.

System: 6R/G and 180R/G models with Canvas Pouch, Carry Case, Three AA Batteries, Floor Stand, Wall Bracket, Reflective Target, Line Detector, Rechargeable Battery Pack. 180R/G models with Wall/Ceiling Bracket.

Ordering Information

PLS 3R Z	Red/Green
PLS 3G Z	3-Point Laser Level
PLS 3R KIT	Red/Green
PLS 3G KIT	3-Point Laser Level Kit
PLS 5R Z	Red/Green
PLS 5G Z	5-Point Laser Level
PLS 5R KIT	Red/Green
PLS 5G KIT	5-Point Laser Level Kit
PLS 6R Z	Red/Green
PLS 6G Z	Combo Point Laser Level
PLS 6R RBP KIT	Red/Green
PLS 6G RBP KIT	Combo Point Laser Level Kit
PLS 6R RBP SYS	Red/Green
PLS 6G RBP SYS	Combo Point Laser Level System
PLS 180R Z	Red/Green
PLS 180G Z	Combo Point Laser Level
PLS 180R RBP KIT	Red/Green
PLS 180G RBP KIT	Combo Point Laser Level Kit
PLS 180R RBP SYS	Red/Green
PLS 180G RBP SYS	Combo Point Laser Level System

Models	PLS 3R/G KIT	PLS 5R/G KIT	PLS 6R/G KIT	PLS 180R/G KIT
Laser Function				
Laser type	3-point	5-point	Crossline	Crossline
Laser colour	Red / Green	Red / Green	Red / Green	Red / Green
Accuracy	< 3 mm @ 10 m (0.11 in @ 32.8 ft)	< 3 mm @ 10 m (0.11 in @ 32.8 ft)	< 3 mm @ 10 m (0.11 in @ 32.8 ft)	< 3 mm @ 10 m (0.11 in @ 32.8 ft)
Batteries	(3) AA alkaline	(3) AA alkaline	Rechargeable Battery Pack	Rechargeable Battery Pack
Included in Box				
Laser level	3R/G Z	5R/G Z	6R/G Z	180R/G Z
Canvas pouch	•	•	•	•
PLSBP5 alkaline pack	•	•	•	•
FS floor stand	•	•	•	•
PLSMLB wall bracket	•	•	•	•
Reflective target	•	•	•	•
PLSC18 carrying case	•	•	•	•
UB9 wall/ceiling bracket				•
Application Guide				
Electrical	•	•	•	•
HVAC	•	•	•	•
Framing	•	•	•	•
Carpentry			•	•
Foundations			•	•
Floor and tile			•	•
Acoustic ceiling			•	•
Painting			•	•
Window and glass	•	•	•	•
Other Configuration				
Tools and pouch only	3R/G Z	5R/G Z	6R/G Z	180 R/G Z
Kit with detector				180 R/G SYS

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Fluke 417D and 424D Laser Distance Meters



Fluke 417D

Fluke 424D



Professional grade distance measuring tools that are fast, easy to use and fit in your pocket

Measure farther, with greater accuracy, in more situations.

- **Measure with greater accuracy:** Up to ± 1 mm, no scales to interpret or misread (424D)
- **Do the work of two:** Instead of holding the tape, your helper can do other jobs
- The most advanced 2 laser technology for distance measurement
- **Speed up the job:** Easily measure hard-to-access areas, like high ceilings, without climbing a ladder
- **Keep it on the level:** New inclination sensor on the Fluke 424D helps with leveling, height tracking, measuring around obstacles
- **Reduce estimating errors, let the meters do the math:** Find area and volume. Easily add and subtract distances. Use Pythagoras calculations for height
- **Improved battery life:** Automatic shut-off feature
- Improved visibility with backlit screen
- Three-year warranty (417D & 424D)

The Fluke 424D Laser Distance Meter offers:

- Improved visibility with backlit screen
- Tripod mode allows you to mount to a tripod for measuring long distances
- Stake out function
- Enhanced Pythagoras calculation for determining distance indirectly from three other measurements
- Audible keypad feedback
- Storage of the last twenty measurements for quick recall of distance
- Strong environmental protection with IP54 (water spray and dust proof) sealing
- Inclination sensor for taking measurements in hard to reach areas
- Compass provides a "heading" for distance measurement
- Automated end-piece correction: when measuring from an edge or corner, a built-in sensor detects the position of this bracket and automatically changes the reference point

Key Features	417D	424D
Maximum measurement distance	40 m (131.23 ft)	100 m (328.08 ft)
Accuracy	± 2 mm (0.078 in)	± 1 mm (0.039 in)
Battery life (no. of measurements)	3000	5000
Area measurement	•	•
Volume measurement		•
Pythagoras calculations		•
Plus and minus calculations		•
Measurement storage		20 sets
Backlight		•
Minimum/Maximum		•
Audible keypad feedback		•
Tripod mount		•
Corner angle measurement		•
Ingress Protection (IEC 60529)	IP54	IP54
Compass		•
Inclination sensor		•
Automated end-piece correction		•
Laser Class	2	2

Recommended Accessories



C1600
Meter Gear Box



C550
Premium Tool Box



L206
Deluxe LED Hat Light

Recommended Kits

Bundle & Save



Fluke 417D/62MAX+ Laser Distance Meter/Infrared Thermometer Combo Kit



Included Accessories

417D & 424D: Two AAA Batteries, User Manual CD, Quick Reference Guide, Vinyl Carrying Pouch, Lanyard.

Ordering Information

FLUKE-417D Laser Distance Meter, 40 m

FLUKE-424D Laser Distance Meter, 100 m

FLUKE-417D 62 MAX+ KIT Laser Distance Meter/Infrared Thermometer Combo Kit

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