

PNHLR/G | Horizontal Rotary Laser, pendulum leveling (SKU no. 205-PNHLR and 205-PNHLG)

Features

- Choose between red or green beam pendulum laser
- Very stable in temperature variations
- **Use the high rotary speed of 2000 rpm to see the rotary beam like a steady line**
- Best visibility thanks to the green beam, even at highest rotary speed!
- Inexpensive and reliable rotary laser
- Ideal for jobs with frequent re-positioning of the laser



Technical Data

Leveling accuracy	± 3 mm/30 m
Leveling range	± 4°
Working range	Up to 400 m (red)/250 m (green) radius with detector
Laser Class	2 (red: 635 nm, green: 520 nm)
Power supply	Lithium-Ion battery (20)
Operating temperature	-10°C to +45°C
IP protection	IP55
Rotary speed	800, 450, 2000 rpm
Dimensions	215 mm (length) x 150 mm (width) x 156 mm (height)
Weight	2.0 kg

Application

For all types of simple interior and exterior leveling jobs, e.g. laying composition floors, depth control for excavators, fundamentals, walls, height control, landscaping

Scope of delivery

- Rotary Laser PNHLR (red) or PNHLG (green)
- Universal detector PNLUD18
- Rechargeable Lithium-Ion battery and charger
- Target
- Laser glasses
- Transportation case
- Instruction manual

Optionally we can provide the digital millimeter read-out detector PNRLD-MM (additional charge).

Use our high-quality universal detector PNLUD18 (page 9) to cover a large working range of up to 800 m (red diode) in diameter! Thanks to the latest technology this detector receives rotary and line laser beams! For even more benefits you can use our digital millimeter read-out detector (page 10), red beam only.

We offer suitable tripods, rods and other accessories. Contact us for more information!



PNRLR-1B | Horizontal Rotary Laser, one-button operation (SKU no. 205-PNRLR-1B)

Features

- Very easy one-button operation
- Ideal for all leveling jobs
- With height alert
- Usage with laser detector
- Accessories in the case

Technical data

Leveling accuracy	± 2.3 mm/30 m
Rotary beam	Horizontal
Leveling range	± 4°
Working range	Up to 400 m radius with detector
Laser class	2 (635 nm)
Power supply	Lithium-Ion battery (29 h)
Operating temperature	-10 to +45°C
IP protection	IP55
Rotary speed	800, 450, 2000 rpm
Dimension	215 mm (length) x 150 mm (width) x 156 mm (height)
Weight	1.9 kg



Application

For all types of leveling jobs in construction and landscaping, fundaments, height control, height transfer,...

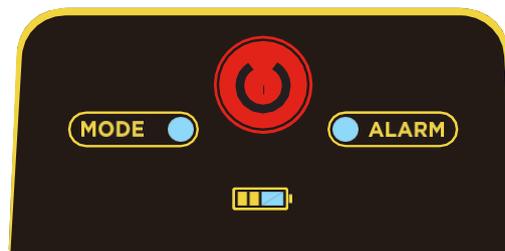
Scope of delivery

- Rotary Laser PNRLR-1B
- Universal detector PNLUD18
- Rechargeable Lithium-Ion battery and charger
- Target
- Laser glasses
- Transportation case
- Instruction manual

Optionally we can provide the digital millimeter read-out detector PNRLD-MM (additional charge).

Use our high-quality universal detector PNLUD18 (page 9) to cover a large working range of up to 800 m in diameter! Thanks to the latest technology this detector receives rotary and line laser beams! For even more benefits you can use our digital millimeter read-out detector (page 10).

We offer suitable tripods, rods and other accessories. Contact us for more information!



Very easy operation with one button only



PNRLR-2D | Horizontal & Vertical Rotary Laser, manual slope function (SKU no. 205-PNRLR-2D)

Features

- Highest precision due to electronic leveling
- Horizontal and vertical rotary beam
- Manual slope function in one axis
- Highest rotation speed of 2000 rpm. The rotating beams are like thin lines on a surface, e.g. a wall.
- All functions and the slope can be set via the remote control
- Scanning function and height alert



Technical Data

Leveling accuracy	± 2.3 mm/30 m
Rotary beam	Horizontal and vertical
Leveling range	± 4°
Slope capability in one axis	-4° to +4°
Working range	Up to 400 m radius with detector
Laser class	2 (635 nm)
Power supply	Lithium-Ion battery (16-
Operating temperature	-10°C to +45°C
IP protection	IP55
Rotary speed	800, 450, 2000 rpm
Dimensions	215 mm (length) x 150 mm (width) x 156 mm (height)
Weight	2.0 kg

Application

For all construction work, also for indoor use, e.g. placing drywalls, pending ceilings, alignment of columns, fundamentals and walls, height control, leveling tasks, alignment of axes on the jobsite etc.

Speciality

This laser has a horizontal and a vertical laser beam. It is not necessary to re-position the laser for vertical alignment applications! You can work with the horizontal and vertical reference at the same time. Choose the highest rotation speed of 2000 rpm! The rotating beam appears like a precise line on the wall, however is much more accurate than a line laser.

Scope of delivery

- Rotary Laser PNRLR-2D
- Universal detector PNLUD18
- Rechargeable Lithium-Ion battery and charger
- Target
- Laser glasses
- Transportation case
- Instruction manual

Optionally we can provide the digital millimeter read-out detector PNRLD-MM (additional charge).

Use our high-quality universal detector PNLUD18 (page 9) to cover a large working range of up to 800 m in diameter! Thanks to the latest technology this detector receives rotary and line laser beams! For even more benefits you can use our digital millimeter read-out detector (page 10).



PNRLR-2D



PNRLR/G-3D | Horizontal/Vertical/Vertical Rotary Laser, manual slope function (SKU no. 205-PNRLR/G-3D)

Features

- Unique and innovative rotary laser with three rotation heads – 3 dimensions in one instrument!
- Choose between red and green laser beam
- Highest precision due to electronic leveling
- Horizontal and two vertical beams in 90° angle
- Manual slope function in one axis
- All functions and the slope can be set with the remote control
- Highest rotation speed of 2000 rpm. The rotating beams are like three precise lines on a surface, e.g. a wall.
- Cross points up and down
- Scanning function and height alert



Technical Data

Leveling accuracy	± 2.4 mm/30 m
Rotary beam	Horizontal and 2x vertical
Leveling range	± 4°
Slope capability in one axis	-4° to +4°
Working range	Up to 400 m (red)/250 m (green) radius with detector
Laser class	2 (red: 635 nm, green: 520 n)
Power supply	Lithium-Ion battery (7-29 h)
Operating temperature	-10°C to +45°C
IP protection	IP55
Rotary speed	800, 400, 2000 rpm
Dimensions	215 mm (length) x 150 mm (width) x 156 mm (height)
Weight	2.1 kg

Application

Due to the horizontal and two vertical beams the PNRLR-3D is ideal for all construction tasks, but also for interior applications (especially the green beam version). The setup of profile boards, placing drywalls, 90° angle transfer, pending ceilings, alignment of columns, fundamentals and walls are only a small part of applications with this innovative laser. Further usage possibilities: height control, alignment of axes on the jobsite, leveling tasks, landscaping.

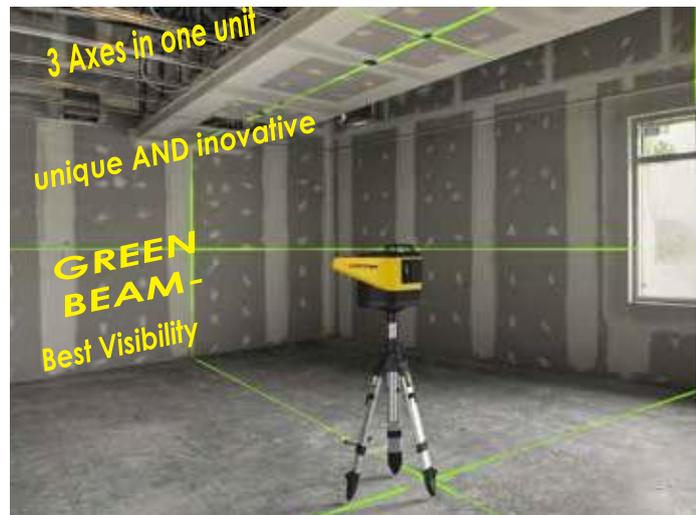
Speciality

Recommend the green beam 3D laser especially to customers who are doing interior construction and finishing! They benefit from a higher accuracy than with line lasers. Due to the high rotary speed of the PNRLG-3D the three green rotary beam appear like precise and steady lines on the wall! With the two vertical beams you can use all references, laser crosses, the plumb point and the horizontal leveling beam. No re-positioning of the laser, no re-alignment, no additional rotary lasers! One instrument for all axes! Use our optional alignment base for aligning the vertical beams around the plumb point!

Scope of delivery

- Rotary laser PNRLR-3D (red) or PNRLG-3D (green)
- Universal detector PNLUD18
- Rechargeable Lithium-Ion battery with charger
- Target
- Laser glasses
- Remote control
- Transportation case
- Instruction manual

Optionally we can provide the digital millimeter read-out detector PNRLD-MM (additional charge).



PNGLR | 2D Dial-In Grade Laser, radio remote, digital slope control (SKU no. 205-PNGLR-2D)

Features

- Dual dial-in grade ($\pm 7\%$) in both axes
- Can be sloped horizontally and vertically at the same time
- Operation via buttons or radio remote control
- Alignment of a construction axes with the vertical beam
- Permanent slope control
- Different rotary speeds with up to 2000 rpm
- Smart H.I. Alert System alerts user when laser has been disturbed or drifts (ADS)

Technical Data

Leveling accuracy	$\pm 2.3 \text{ mm}/30 \text{ m}$
Tilt accuracy	0,1%
Rotary beams	Horizontal and vertical
Leveling range	$\pm 4^\circ$
Slope capability	$\pm 7\%$ (in both axes)
Working range	Up to 400 m radius with detector
Laser class	2 (635 nm)
Power supply	Lithium-Ion battery (25 h)
Operating temperatur	-10°C to $+45^\circ\text{C}$
IP protection	IP55
Rotary speed	1000, 400, 2000 rpm
Dimension	215 mm (length) x 150 mm (width) x 156 mm (height)
Weight	2.0 kg

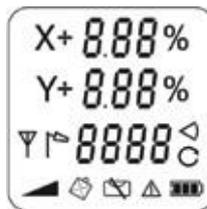


Application

For all construction work, e.g. sloped areas, garage paths, placing drywalls, pending ceilings, alignment of columns, fundamentals and walls, height control, alignment of axes on the jobsite, leveling tasks, landscaping, setup of profile boards, angle transfer

Scope of delivery

- Rotary Laser PNGLR-2D
- Universal detector PNLUD18
- Rechargeable Lithium-Ion battery and charger
- Target
- Laser glasses
- Transportation case
- Instruction manual



Optionally we can provide the digital millimeter read-out detector PNRLD-MM (additional charge).

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We offer suitable tripods, rods and accessories. Contact us for more information!



PN | Universal Laser Detector

PNLuD18 | Universal Detector for Rotary and Line Lasers (SKU no. 304-PNLUD18)

Features

- Further development of the universal laser detector for almost all rotary and line lasers
- Compact and easy-to-use instrument with 60 mm reception window
- Strong, widely visible LEDs and interval signals for height indication
- Three accuracy levels
- Filter against flash light and sun light
- Display with 5 channels, front and back side
- Mode and detection frequency are stored
- Magnets for fixing on steel profiles
- Very stable clamp with screw fixing
- Power supply with one AA battery only

Technical data

Detection height	60 mm
Detection angle	$\pm 45^\circ$
Wave length	450 to 800 nm
Accuracy (mm)	
Fine	0.3
Medium	1
Coarse	5
Volume	Normal/loud/off
Working range rotary laser	Up to 400 m radius
Working range line laser	Up to 75 m radius
Rotary laser detection	300-1200 rpm
Line laser detection	7 to 12 kHz
Automatic switch-off	After 30 minutes
Power supply	1x 1.5 V AA battery
Operating time	For about 50 h
Operating temperature	-10°C to +50°C
IP protection	IP67

clamp

The rod clamp of the PNLUD18 is extremely robust. It can be quickly attached to the rod, saves time and can be fixed on different materials and shapes.

Application

Detection of red and green beams of rotary and line lasers and measurement of the height difference.

Scope of delivery

- Universal detector PNLUD18
- Clamp
- 1 AA battery

We offer survey rods and other accessories for detectors! We are happy to help you!



