



Precise surveying and measuring

# Nedo LINUS 1 HV

The versatile, robust universal laser with 90° function



**NEDO LINUS 1 HV**





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## The versatile, robust universal laser with 90° function

**Innovative.** The Nedo LINUS 1 HV is a new, extremely robust, fully automatic universal laser for levelling, aligning and marking of right angles for outdoor applications and interior finishing.

**Versatile.** The new, fully automatic universal laser Nedo LINUS 1 HV combines a horizontal 360° laser line with four individually switchable vertical laser lines arranged at 90° angles to one another. The vertical laser diodes are configured so that the laser lines start right at the foot of the unit. An additional plumb beam marks the intersection of the four vertical lines on the floor.

The new Nedo LINUS 1 HV is therefore perfect not only for levelling and aligning, but also for quick and easy marking of right angles in outdoor applications. It is ideal for placing formwork, building carports, terraces and garages, and laying slabs and paving stones.

**Robust.** The Nedo LINUS 1 HV has a robust, reliable motor-powered self-levelling mechanism. Digital levels and electric servomotors ensure exact alignment of the horizontal 360° laser line and the four vertical laser lines within the self-levelling range of  $\pm 5^\circ$ . The shock-resistant housing with an aluminium cage is dust-proof and splashwater protected in accordance with IP 65, allowing it to be used in all kinds of weather. Thanks to its rugged design and thick lining, the Nedo LINUS 1 HV can easily withstand a fall from a height of 1 m.

Perfect for tough applications in structural and civil engineering, gardening and landscaping, wood and steel construction.



**Well-designed.** Numerous innovative ideas went into the development of the LINUS 1 HV. The housing dimensions of the laser and ACCEPTOR Line laser receiver are perfectly matched. The distance between the vertical laser plane and the edge of the LINUS 1 HV is identical to that between the edge and zero line of the laser receiver.

This makes it easy to check the perpendicularity of existing walls or formwork. Dimensional deviations can be read from the ACCEPTOR Line laser receiver with millimetre accuracy.





# Nedo LINUS 1 HV

The standard accessories include practically everything one can think of



## Robust multifunctional foot with fine adjustment

The robust aluminium multifunctional foot permits exact positioning of the LINUS 1 HV over a known plumb point. With the fine adjustment you can exactly set the vertical laser lines of the LINUS 1 HV even over long distances.

The multifunctional foot is designed so that the laser can be positioned over tiles, allowing the vertical lines of the LINUS 1 HV to be aligned along the edges. The foot additionally protects the laser from direct contact with wet soil, standing water or dirt. The multifunctional foot and fine adjustment can also be used with a tripod.



## ACCEPTOR Line - laser receiver with mm display

The ACCEPTOR Line digital laser receiver with a heavy-duty aluminium rod clamp comes as standard. It allows to perfectly detect the laser lines even under unfavourable light conditions. The distance of the laser beam from the zero line of the receiver is displayed in millimetres.

Optional accessory:



## Multifunctional holding rod with patented quick clamp mechanism

The quick clamp mechanism allows you to mount the ACCEPTOR Line laser receiver to a levelling rod or Flexi rod. Perfect for attaching the laser receiver to a batter board or for around-the-corner applications, too.

Ref.-No. 062 247



Example of use:  
Perfect for attaching the laser receiver to a batter board



### Applications:

Thanks to its perfect functionality and wide range of features, the LINUS 1 HV is ideal for professionals who need a sturdy and dependable universal laser for levelling, aligning and marking of right angles.

#### Gardening and landscaping:

- Paving
- Borders
- Car parks
- Terraces and sun decks

#### Woodworking and carpentry:

- Timber post structures
- Sole plates
- Carports and 1:1 elevations

#### Structural and civil engineering:

- Marking off right angles in terrain
- Foundations
- Formwork and walls

#### Steel construction:

- Columns
- Sleeve foundations
- Weld-on plates
- Conservatories

Supplied as standard with **ACCEPTOR Line**  
Laser receiver with mm display, large  
detector field and Heavy Duty rod clamp



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### Features:

- Self-levelling universal laser for levelling, aligning, plumbing and marking off right angles
- Extremely robust
- Horizontal 360° laser line
- Four vertical, individually switchable laser lines at 90° angles, pointing down
- Plumb point
- Robust, motor-powered levelling, Self-levelling range  $\pm 5^\circ$
- Rugged housing protected against low pressure jet water in accordance with IP 65
- Connecting thread 5/8"
- Multifunctional foot made of diecast aluminium with fine adjustment for precise axis alignment
- Laser receiver ACCEPTOR Line with mm display and Heavy Duty rod clamp made of diecast aluminium



### Scope of delivery:

Universal laser **LINUS 1 HV**, laser receiver **ACCEPTOR Line** with Heavy Duty rod clamp made of diecast aluminium, multifunctional foot with fine adjustment for precise axis alignment, rechargeable batteries and charger, laser glasses, target board and transport case  
**Ref.-No. 471 810**

### Nedo LINUS 1 HV

Ref.-No.	471 810
Levelling accuracy	$\pm 1 \text{ mm}/10 \text{ m}$
Self-levelling range	$\pm 5^\circ$ motor-powered, with automatic level control of the horizontal axis
Working range $\emptyset$	up to 200 m with receiver ACCEPTOR Line
Laser	Laser class 2M, 635 nm
Protection class	IP 65
Power supply	Rechargeable batteries NiMH 4,8 V, 3800 mAh
Vertical lines' angle of aperture	135°
Operation duration	approx. 30 h
Connecting thread	5/8"





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