

- LASERS AND ACCESSORIES**
- BUILDERS' LEVELS AND THEODOLITES**
- TRIPODS**
- MEASURING TOOLS**
- SURVEYING EQUIPMENT**



**CATALOGUE
2022 / 2023**



LASERS / ACCESSORIES



Nedo Universal and Rotating Lasers at a Glance!

Product	LINUS 1 HV	SIRIUS 1 H	SIRIUS 1 HV	SIRIUS 1 HV green
Laser configuration				
Laser functionality	Universal laser horizontal 360° laser line 4 laser lines at 90° angles	Rotating laser horizontal	Rotating laser horizontal/vertical	Rotating laser horizontal/vertical
Technical data:				
Laser class	2M, 635 nm	3R, 635 nm or 2, 635 nm	3R, 635 nm or 2, 635 nm	3R, 532 nm or 2, 515 nm
Protection class	IP 65	IP 65	IP 65	IP 65
Slope	-	-	manual, dual slope	manual, dual slope
AutoAlign function	-	-	-	-
Self-levelling range	± 5° with autom. level control	± 5° with autom. level control	± 5° with autom. level control	± 5° with autom. level control
Levelling accuracy (horizontal/vertical)	± 1 mm/10 m	± 1 mm/10 m	± 1 mm/10 m	± 1 mm/10 m
Accuracy (inclination)				
Remote control	-	-	Infrared remote control	Infrared remote control
Application:				
Casting concrete floors	***	***	***	*
Metre marking in interior work	***	**	**	**
Ceiling and dry wall construction	*	**	**	***
Use of batter boards	***		**	**
Bricklaying	***	**	***	*
Landscaping	***	*	*	*
Road construction	*	*	*	*
Interior finishing	**	**	***	***
Rough and fine grading	***	**	**	*
Depth control for excavations	**	***	***	*
Concrete formwork	***	*	*	*
Facade construction	**		**	*
Setting reference markers			*	
Machine control applications				



PRIMUS 2 H	PRIMUS 2 H1N+ Long Range	PRIMUS 2 H2N PRIMUS 2 H2N+	PRIMUS 2 HVA	PRIMUS 2 HVA2N
				
Rotating laser horizontal	Rotating laser horizontal Single slope laser	Rotating laser horizontal Dual slope laser	Rotating laser horizontal/vertical with AutoAlign function	Rotating laser horizontal/vertical with AutoAlign function Dual slope laser
3R, 635 nm or 2, 635 nm	3R, 635 nm or 2, 635 nm	3R, 635 nm or 2, 635 nm	3R, 635 nm or 2, 635 nm	3R, 635 nm or 2, 635 nm
IP 66	IP 66	IP 66	IP 66	IP 66
-	direct entry, single slope	direct entry, dual slope	manual, dual slope	direct entry, dual slope
-	-	-	•	•
± 5° with automatic level control	± 5° with automatic level control	± 5° with automatic level control	± 5° with automatic level control	± 5° with automatic level control
± 0.5 mm/10 m	± 0.5 mm/10 m	± 0.5 mm/10 m	± 0.5 mm/10 m	± 0.5 mm/10 m
	± 0.015%	± 0.015% H2N+ / ± 0.1% H2N		± 0.015%
		Radio remote control	Radio remote control	Radio remote control
***	***	***	***	***
***	***	***	***	***
**	**	**	***	***
			***	***
**	**	**	***	***
*	***	***	**	***
*	***	***	**	***
**	**	**	**	**
**	***	***	**	***
**	**	**	***	***
*	*	*	***	***
			***	***
	***	***	*	***
*** (900 rpm)	*** (900 rpm)	*** (750/900 rpm)		

Thanks to its ingenious seal, the **SIRIUS 1** rotating laser is protected against low pressure jet water in accordance with IP 65 and therefore meets sealing requirements expected of much more expensive rotating lasers. The new rotor protection made of cast aluminium and break-proof glass means the new **SIRIUS 1** is extremely robust.

The ergonomic rubber handle sits well in one's hand.

The **SIRIUS 1 H** and **HV** rotating lasers can optionally be supplied with laser class 2 or 3R.



Nedo SIRIUS 1 HV

	Ref.-No. laser class 3R	Ref.-No. laser class 2
SIRIUS 1 HV Incl. laser receiver ACCEPTOR 2 digital with mm display and Heavy-Duty rod clamp, remote control, rechargeable batteries, charger and case	471 945	471 945-632
SIRIUS 1 HV Incl. laser receiver ACCEPTOR MAXX with mm display and Heavy-Duty rod clamp, remote control, rechargeable batteries, charger and case	471 946	471 946-632
SIRIUS 1 HV Set 1 Incl. laser receiver ACCEPTOR 2 digital with mm display and Heavy-Duty rod clamp, remote control, rechargeable batteries, charger, case, elevating tripod (Ref.-No. 210 621), Flexi Rod with universal adapter and carrying bag	471 941	471 941-632
SIRIUS 1 HV Set 2 Incl. laser receiver ACCEPTOR 2 digital with mm display and Heavy-Duty rod clamp, remote control, rechargeable batteries, charger, case, elevating tripod (Ref.-No. 210 616), Flexi Rod with universal adapter and carrying bag	471 942	471 942-632
SIRIUS 1 HV Set 3 Incl. laser receiver ACCEPTOR 2 digital with mm display and Heavy-Duty rod clamp, remote control, target board, wall mount, vertical mount, rechargeable batteries, charger, case	471 944	471 944-632

Calibration certificate for Nedo rotating lasers

Ref.-No.	399 556 calibration certificate for Nedo rotating lasers
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New

SIRIUS 1 HV is now available with laser receiver ACCEPTOR MAXX. New, digital laser receiver with mm display and extra-large 120mm detector field. Large illuminated LC displays on front and back, bright LEDs, visible from front and side and Heavy-Duty rod clamp.



Scope of delivery **SIRIUS 1 HV**:
Rotating laser **SIRIUS 1 HV**, laser receiver **ACCEPTOR MAXXX** with mm display and Heavy-Duty rod clamp, rechargeable batteries, charger, remote control and case
Ref.-No. 471 946



SIRIUS 1 HV Set 1 inclusive:

- **SIRIUS 1 HV** (Ref.-No. 471 945)
- Elevating tripod, (Ref.-No. 210 621) working range 0.80 m to 2.76 m
- Flexi Rod with universal adapter and carrying bag

Ref.-No. 471 941

SIRIUS 1 HV Set 2 inclusive:

- **SIRIUS 1 HV** (Ref.-No. 471 945)
- Elevating tripod, (Ref.-No. 210 616) working range 0.78 m to 2.03 m
- Flexi Rod with universal adapter and carrying bag

Ref.-No. 471 942



Scope of delivery **SIRIUS 1 HV Set 3**:
Rotating laser **SIRIUS 1 HV**, laser receiver **ACCEPTOR 2 digital** with mm display and Heavy-Duty rod clamp, target board, wall mount, vertical mount, rechargeable batteries, charger, remote control and case
Ref.-No. 471 944

Nedo SIRIUS 1 HV

The fully automatic horizontal/vertical rotating laser for clever craftsmen. It is ideal for levelling and aligning in interior outfitting and construction. **SIRIUS 1 HV** combines optimum functionality, a full range of features and an attractive price-performance ratio.

Features:

- Fully automatic horizontal/vertical laser for interior outfitting and exterior applications
- High-power laser diode (laser class 3R) for very good laser beam visibility
- Alternatively available with laser class 2
- Automatic level control stops the laser if it receives a heavy jolt. In this way, height errors are avoided.
- Upward and downward plumb beam
- Manual setting of slopes in 2 axes
- Scanning function and dot mode
- Rugged housing protected against low pressure jet water in accordance with IP 65
- Rotor protection made of cast aluminium and break-proof glass
- High-power NiMH rechargeable batteries for long operation
- Remote control for a convenient handling

Ideal for use on every construction site. Perfect for levelling in applications such as:

- Casting concrete floors
- Metre marking in interior work
- Dry wall construction
- Use of batter boards
- Laying screed
- Masonry and excavation work
- Landscaping
- Interior construction

Nedo SIRIUS 1 HV

Technical data:	
Levelling accuracy	± 1 mm/10 m
Self-levelling range	± 5° motor-powered, with automatic level control
Working range Ø	approx. 300 m with receiver
Laser	< 5 mW, laser class 3R, 635 nm or < 1 mW laser class 2, 635 nm
Rotating speed	0, 60, 120, 300 and 600 rpm
Scanning angle	0°, 6°, 20°, 50° and 90°
Protection class	IP 65
Power supply	NiMH rechargeable batteries 4.8 V, 3800 mAh
Operation duration	approx. 30 h
Connecting thread	5/8"

Nedo **PRIMUS 2**, the series of fully automatic rotating lasers for professionals. Ideal for levelling, aligning and grade control. Reliable and rugged for tough construction jobs. Uncompromising quality for professionals. All **PRIMUS 2** models can be supplied with laser class 3R or laser class 2 with Bright Beam technology™. The **PRIMUS 2** series sets a new standard for fully automatic rotating lasers. High technology made in Germany.



The Fully Automatic Rotating Lasers Made in Germany



3-year warranty for all
PRIMUS 2 models



PRIMUS 2 - The Standard for Fully Automatic Rotating Lasers



Setting Standards for Precision and Reliability

The rotating lasers of the **PRIMUS 2** series remain extraordinarily precise whatever the site conditions – in continuous rainfall, severe cold or blazing heat. Whether horizontal, vertical or at a gradient.

Always reliable, whenever and wherever they are used.

The **PRIMUS 2** casing is protected against jet water and dust in line with IP 66. After use, the **PRIMUS 2** can even be sprayed down with water to clean it.



The Standard for Ruggedness

Thanks to their innovative shock protection system, the rotating lasers of the **PRIMUS 2** series can easily withstand a fall from a height of 1 m. The thick lining and rotor protection provide additional safety.



Setting Standards for Visibility

All **PRIMUS 2** rotating lasers are fitted with high-quality laser diodes with 635 nm wavelength. The customer can choose between high-power laser diodes in laser class 3R or laser diodes in laser class 2 featuring Bright Beam Technology™ thus ensuring optimum visibility of the laser beam even under unfavourable light conditions.



The Standard for Long Life

High-power rechargeable NiMH batteries with Eneloop™ technology ensure a long operating life of more than 100 hours, with minimal self-discharging. The intelligent power compartment permits quick changing between battery and rechargeable battery operation.



Setting Standards for Easy Operation

Are you fed up with difficult-to-handle devices?

All **PRIMUS 2** lasers feature in addition to the standard 5/8" mounting thread the Quick-Fix rapid locking system which allows the laser device to be fixed in just a few seconds to any tripod and just as quickly detached. Just throw the lever for fixing or detaching.

That's all!

PRIMUS 2 H
 PRIMUS 2 H available with 900 rpm.
 Perfect for machine control applications.
 Ref.-No. 399 602



Nedo PRIMUS 2 H

The fully automatic horizontal rotating laser



Scope of delivery:
 Rotating laser **PRIMUS 2 H**, laser receiver **ACCEPTOR MAXX with mm display** and Heavy-Duty rod clamp, rechargeable batteries and charger, Quick-Fix rapid locking system and transport case
 Ref.-No. 472 018

Features:

- Fully automatic rotating laser for horizontal applications
- Robust, motor-powered levelling
- Automatic level control stops the laser if it receives a heavy jolt. In this way, height errors are avoided.
- High-power laser diode, laser class 3R, for highly visible laser beam and easy work at the close range
- Alternatively available with laser class 2 with Bright Beam Technology™
- Large, clear display showing rotation speed, battery level, etc.
- Rotor protection made of break-proof glass
- Laser receiver **ACCEPTOR MAXX** with Heavy-Duty rod clamp made of diecast aluminium
- Extremely easy to use
- Highly accurate even under toughest conditions
- Available on request with a rotation speed of 900 rpm perfect for machine control applications

Ideal for use on every construction site. Perfect for levelling in applications such as:

- Rough and fine grading
- Depth control for excavations
- Casting concrete
- Bricklaying
- Landscaping
- Machine control



Optional accessory "Outdoor package":
 - Aluminium tripod, (Ref.-No. 200 225) working range 0.91 m to 1.69 m
 - Flexi Rod with universal adapter and carrying bag

Ref.-No. 200 350

Nedo PRIMUS 2 H

Technical data:	
Levelling accuracy	± 0.5 mm/10 m
Self-levelling range	± 5° motor-powered, with automatic level control
Working range Ø	approx. 700 m with receiver ACCEPTOR MAXX
Laser	< 5 mW, laser class 3R, 635 nm or < 1mW, laser class 2, 635 nm
Rotating speed	600 rpm or 900 rpm
Protection class	IP 66
Power supply	rechargeable batteries NiMH 4.8 V, 8500 mAh
Operation duration	approx. 100 h
Connecting thread	5/8"

Single slope function
For horizontal use and for slopes in one axis



Nedo PRIMUS 2 H1N+ Long Range

	Ref.-No. laser class 3R	Ref.-No. laser class 2
PRIMUS 2 H1N+ Long Range Incl. Quick-Fix, rechargeable batteries, charger and transport case	472 025	472 025-632
PRIMUS 2 H1N+ Long Range with ACCEPTOR MAXX Incl. laser receiver ACCEPTOR MAXX, Quick-Fix, rechargeable batteries, charger and transport case	472 026	472 026-632
Upgrade PRIMUS 2 H1N+ Long Range to 750 rpm	399 604	399 604
Upgrade PRIMUS 2 H1N+ Long Range to 900 rpm	399 602	399 602

Calibration certificate for Nedo rotating lasers

Ref.-No.	399 556 calibration certificate for Nedo rotating lasers
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Optional accessory:
Telescopic sight with
laser sighting mechanism
Ref.-No. 461 096



PRIMUS 2 H1N+ Long Range
PRIMUS 2 H1N+ Long range
available with 750 rpm or 900 rpm.
Perfect for machine control
applications.

Ref.-No. 399 604 (750 r.m.p.)
Ref.-No. 399 602 (900 r.m.p.)



Nedo PRIMUS 2 H1N+ Long Range

Fully automatic single slope laser with tilt control and automatic re-levelling when in slope mode. Extremely large working range for use with machine control applications.



Scope of delivery:
Rotating laser **PRIMUS 2 H1N+ Long Range**,
rechargeable batteries, charger, Quick-Fix rapid
locking system and transport case
Ref.-No. 472 025



Lieferumfang **PRIMUS 2 H1N+ Long Range**
with **ACCEPTOR MAXX**:
Rotating laser **PRIMUS 2 H1N+ Long Range**,
laser receiver **ACCEPTOR MAXX**, rechargeable
batteries, charger, Quick-Fix rapid locking
system and transport case
Ref.-No. 472 026

Features:

- Fully automatic single slope laser
- Robust, motor-powered levelling
- Direct grade entry for the y axis
- Slope value once input is stored beyond switch-off
- Tilt control: the position of the laser plane is continuously monitored in the slope mode and re-levelled if necessary.
- Automatic level control stops the laser if it receives a heavy jolt. In this way, height errors are avoided.
- Large, clear display showing inclination, rotation speed, battery level, etc.
- High-power laser diode, laser class 3R
- Alternatively available with laser class 2 with Bright Beam Technology™
- Rotor protection made of break-proof glass
- Highly accurate even under toughest conditions
- **PRIMUS 2 H1N+ Long Range** available on request with a rotation speed of 750 or 900 rpm perfect for machine control applications

Ideal for use on every construction site. Perfect for levelling in applications such as:

- Machine control
- Elevation control
- Rough and fine grading
- Depth control for excavations
- Casting concrete
- Bricklaying
- Setting foundations and footings
- Landscaping

Nedo PRIMUS 2 H1N+ Long Range

Technical data:	
Levelling accuracy	± 0.5 mm/10 m
Self-levelling range	± 5° motor-powered, with automatic level control
Setting of slope function	± 10 %
Accuracy of the slope function	better than ± 0,015 %
Working range Ø	approx. 1000 m with excavator receiver
Laser	< 5 mW, laser class 3R, 635 nm or < 1mW, laser class 2, 635 nm
Rotating speed	600 rpm, 750 rpm or 900 rpm
Protection class	IP 66
Power supply	rechargeable batteries NiMH 4.8 V, 8500 mAh
Operation duration	approx. 100 h
Connecting thread	5/8"

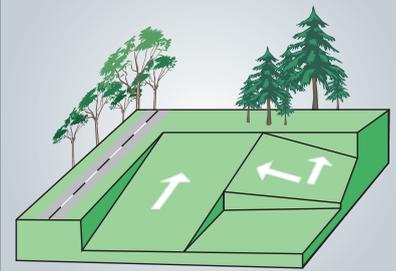


Optional accessory:
Laser receiver **ACCEPTOR M**
See on page 57

Supplied as standard with laser receiver COMMANDER 2 with mm display and practically indestructible all-metal clamp made of diecast aluminium



Dual slope function
For horizontal use and for slopes in one or two axes



Nedo PRIMUS 2 H2N+ / PRIMUS 2 H2N

	Ref.-No. laser class 3R	Ref.-No. laser class 2
PRIMUS 2 H2N+ with tilt control Incl. multi-function module COMMANDER 2 H2N+ (laser receiver incl. radio remote control) with mm display, Heavy-Duty rod clamp, Quick-Fix, rechargeable batteries, charger and transport case	472 034	472 034-632
PRIMUS 2 H2N + with tilt control Incl. laser receiver ACCEPTOR MAXX, Heavy-Duty rod clamp, Quick-Fix, rechargeable batteries, charger and transport case	472 037	472 037 -632
PRIMUS 2 H2N+ with tilt control Incl. Quick-Fix, rechargeable batteries, charger and transport case	472 033	472 033-632
Upgrade PRIMUS 2 H2N+ to 750 rpm	399 604	399 604
Upgrade PRIMUS 2 H2N+ to 900 rpm	399 602	399 602
PRIMUS 2 H2N Incl. Quick-Fix, transport case, rechargeable batteries and charger	472 030	472 030-632
PRIMUS 2 H2N Incl. multi-function module COMMANDER 2 H2N (laser receiver incl. radio remote control) with mm display, Heavy-Duty rod clamp, Quick-Fix, rechargeable batteries, charger and transport case	472 031	472 031-632
PRIMUS 2 H2N Incl. laser receiver ACCEPTOR MAXX, Heavy-Duty rod clamp, rechargeable batteries, charger and transport case	472 036	472 036-632

Calibration certificate for Nedo rotating lasers

Ref.-No.	399 556 calibration certificate for Nedo rotating lasers
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Optional accessory:
Telescopic sight with
laser sighting mechanism
Ref.-No. 461 096



PRIMUS 2 H2N+
PRIMUS 2 H2N+ available
with 750 or 900 rpm.
Perfect for machine control
applications.
Ref.-No. 399 604 (750 r.m.p.)
Ref.-No. 399 602 (900 r.m.p.)



Nedo PRIMUS 2 H2N+

Fully automatic dual slope laser with tilt control and automatic re-levelling when in slope mode

Nedo PRIMUS 2 H2N

Fully automatic dual slope laser

Features:

- Fully automatic dual slope laser
- Robust, motor-powered levelling
- Direct grade entry for the x and y axes
- Slope values once input are stored beyond switch-off
- **PRIMUS 2 H2N+** with tilt control: the position of the laser plane is continuously monitored in the slope mode and re-levelled if necessary.
- Automatic level control stops the laser if it receives a heavy jolt. In this way, height errors are avoided.
- Large, clear display showing inclination, rotation speed, battery level, etc.
- High-power laser diode, laser class 3R, for highly visible laser beam and easy work at the close range
- Alternatively available with laser class 2 with Bright Beam Technology™
- Rotor protection made of break-proof glass
- Highly accurate even under toughest conditions
- **PRIMUS 2 H2N+** available on request with a rotation speed of 750 or 900 rpm perfect for machine control applications



Scope of delivery:
Rotating laser **PRIMUS 2 H2N+**, laser receiver **COMMANDER 2 H2N+ with mm display** and Heavy-Duty rod clamp, rechargeable batteries, charger, Quick-Fix rapid locking system and transport case
Ref.-No. 472 034

Ideal for use on every construction site. Perfect for levelling in applications such as:

- Elevation control
- Rough and fine grading
- Depth control for excavations
- Machine control
- Casting concrete
- Bricklaying
- Setting foundations and footings
- Landscaping

Nedo PRIMUS 2 H2N+ and H2N

Technical data:	
Levelling accuracy	± 0.5 mm/10 m
Self-levelling range	± 5° motor-powered, with automatic level control
Setting of slope function	± 10%, direct entry
Accuracy of the slope function	± 0.015% PRIMUS 2 H2N+, ± 0.1% PRIMUS 2 H2N
Working range Ø	approx. 700 m with receiver COMMANDER 2 H2N
Laser	< 5 mW, laser class 3R, 635 nm or < 1mW, laser class 2, 635 nm
Rotating speed	600 rpm, 750 rpm or 900 rpm (H2N+)
Protection class	IP 66
Power supply	rechargeable batteries NiMH 4.8 V, 8500 mAh
Operation duration	approx. 100 h
Connecting thread	5/8"



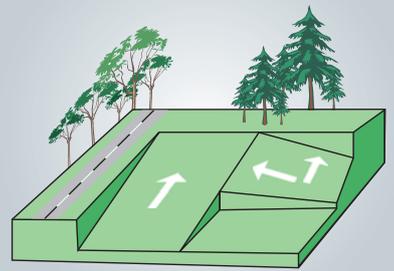
Optional accessory "**Outdoor package**":
- Aluminium tripod, (Ref.-No. 200 225) working range 0.91 m to 1.69 m
- Flexi Rod with universal adapter and carrying bag

Ref.-No. 200 350

Supplied as standard with laser receiver COMMANDER 2 with mm display and practically indestructible all-metal clamp made of diecast aluminium



Dual slope function
For horizontal use and for slopes in one or two axes



Nedo PRIMUS 2 HVA2N

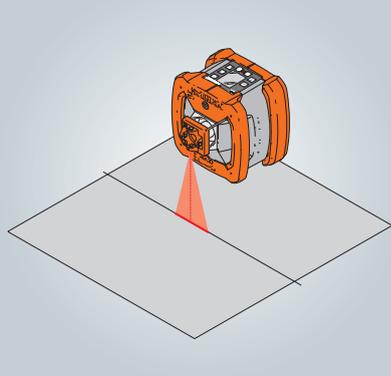
	Ref.-No. laser class 3R	Ref.-No. laser class 2
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PRIMUS 2 HVA2N 472 061 472 061-632

Incl. magnetic target board, multi-function module COMMANDER 2 HVA2N (laser receiver incl. radio remote control) with mm display, Heavy-Duty rod clamp, Quick-Fix, rechargeable batteries, charger and transport case

Calibration certificate for Nedo rotating lasers

Ref.-No.	399 556 calibration certificate for Nedo rotating lasers
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Vertical alignment aid
In vertical operation the laser can be exactly aligned with the help of a laser line

AutoAlign function
At the push of a button, the laser plane automatically aligns with the laser receiver **COMMANDER 2 HVA2N**.
Ideal when batter boards are used or on facade construction.



Nedo PRIMUS 2 HVA2N

The fully automatic horizontal/vertical dual slope laser with AutoAlign function



Scope of delivery:
Rotating laser **PRIMUS 2 HVA2N**, laser receiver **COMMANDER 2 HVA2N with mm display** and Heavy-Duty rod clamp, magnetic target board, rechargeable batteries, charger, Quick-Fix rapid locking system and transport case
Ref.-No. 472 061

Features:

- Fully automatic rotating laser for horizontal and vertical applications
- Direct grade entry for the x and y axis
- Tilt control: the position of the laser is continuously monitored in the tilt mode
- AutoAlign function: automatic alignment of the laser beam to the zero mark of the laser receiver
- Robust motor-powered levelling
- Large, clear display showing inclination, rotation speed, battery level, etc.
- Automatic level control stops the laser if it receives a heavy jolt. In this way, height errors are avoided.
- High-power laser diode, laser class 3R, for highly visible laser beam and easy work at the close range
- Alternatively available with laser class 2 with Bright Beam Technology™
- Scan function and dot mode
- Upward plumb beam
- Rotor protection made of break-proof glass
- Highly accurate even under toughest conditions
- Incl. multi-function module **COMMANDER 2 HVA2N**, laser receiver incl. radio remote control

Ideal for use on every construction site. Perfect for levelling in applications such as:

- Depth control for excavations
- Concrete casting
- Setting foundations and footings
- Concrete casting
- Use of batter boards
- Bricklaying
- Landscaping
- Laying screed
- Facade construction
- Setting reference markers
- Rough and fine grading
- Ceiling construction



Optional accessory "Accessory package 1":

- Elevating tripod, (Ref.-No. 210 621) working range 0.80 m to 2.76 m
- Flexi Rod with universal adapter and carrying bag

Ref.-No. 210 350

Optional accessory "Accessory package 2":

- Elevating tripod, (Ref.-No. 210 616) working range 0.78 m to 2.03 m
- Flexi Rod with universal adapter and carrying bag

Ref.-No. 210 351

Nedo PRIMUS 2 HVA2N

Technical data:	
Levelling accuracy	± 0.5 mm/10 m
Self-levelling range	± 5° motor-powered, with automatic level control
Accuracy of the slope function	± 0.015%
Setting of slopes in two axes	± 10%, direct entry
Working range Ø	approx. 700 m with receiver COMMANDER 2 HVA2N
Laser	< 5 mW, laser class 3R, 635 nm or < 1mW, laser class 2, 635 nm
Working range radio remote control	approx. 150 m
Working range AutoAlign	approx. 50 m
Rotating speed	10, 60, 300 and 600 rpm
Scanning angle	0°, 5°, 10° and 15°
Protection class	IP 66
Power supply	rechargeable batteries NiMH 4.8 V, 8500 mAh
Operation duration	approx. 100 h
Connecting thread	5/8"



Heavy-Duty Rod Clamp
Ref.-No. 062 424



Nedo Laser Receiver for Rotating Lasers

ACCEPTOR 2 digital with mm display

The laser receiver **ACCEPTOR 2 digital** with mm display shows digitally the divergence of the zero line of the laser receiver from the laser plane of the rotating laser. With the mm display, height differences during levelling can be read off directly – without calculation.

Features:

- Sturdy laser receiver for all rotating lasers with red laser beam
- mm display
- Large detector field of 50 mm length
- Large LC display on front and back
- Bright LEDs
- Adjustable signal tone
- Automatic switch-off
- Strong magnets for fastening to steel girders
- Bubble for exact alignment
- 3 accuracy levels: ± 1 mm / ± 4 mm / ± 6 mm
- Heavy-Duty rod clamp made of diecast aluminium

Ref.-No. 430 338

Technical data:	
Accuracy	switchable, ± 1 mm, ± 4 mm and ± 6 mm
Working range	\varnothing 550 m (depends on laser)
Length of detector field	50 mm
Reception angle	$\pm 65^\circ$
Protection class	IP 67
Operating temperature	-20°C to +50°C
Power supply	2 x 1.5 V batteries (AA) or rechargeable batteries (NiMH)
Operation duration	up to 120 h

Optional Accessory:

Multifunctional rod clamp with patented quick clamp and batter board function

Features:

- Quick and easy attachment with the quick clamp
- Flat positioning of the laser receiver on a wall
- Around-the-corner applications are no problem for the multifunctional receiver holder
- Quick and easy attachment to the batter board

Ref.-No. 062 247

mm display



Vertical attachment for batter board applications

Quick and easy attachment to the batter board

New



ACCEPTOR MAXX

Nedo **ACCEPTOR MAXX** is a new digital laser receiver with a mm display and an extra-large detector field. The robust housing and virtually indestructible Nedo heavy-duty rod clamp make the new **ACCEPTOR MAXX** perfect for use under harsh conditions.

Large illuminated digital LC displays on the front and back show the deviation of the zero line of the **ACCEPTOR MAXX** from the plane of the rotation laser. The easy-to read displays allow you to read off height differences directly in mm, without calculation.

In addition, extremely bright LEDs show the position of the laser receiver in relation to the laser plane. The ingeniously designed housing allows the LEDs to be seen from the front and the side, even from a great distance. Furthermore, an acoustic signal indicates the position of the laser receiver.

ACCEPTOR MAXX

MAXXimum detector field

- Detector field with 120 mm length

MAXXimum performance

- Double LED display in front and side
- Illuminated displays

MAXXimum working range

- Working diameter 900 m

MAXXimum precision

- Digital mm display up to ± 40 mm

Features:

- Robust laser receiver for all rotating lasers with a red laser beam
- Extra-large 120 mm detector field
- Large illuminated LC displays on the front and back
- Readout of height difference in mm
- Size of directional arrows is proportional to difference in height
- Bright LED display, visible the front and side
- 4 accuracy settings: ± 1 mm, ± 2 mm, ± 4 mm and ± 8 mm
- Energy-saving mode, display illumination can be switched off
- Battery status shown in display
- Switchable acoustic signal
- Bubble for easy alignment
- Automatic shut-off after 15 min.
- Nedo heavy-duty rod clamp and batteries supplied as standard

Nedo ACCEPTOR MAXX

Ref.-No.	430 339
Accuracy	± 1 mm, ± 2 mm, ± 4 mm and ± 8 mm
Working range	\emptyset 900 m (depends on laser)
Length detector field	127 mm
Reception angle	$\pm 45^\circ$
Protection class	IP 67
Operating temperature	-20°C to +60°C
Power supply	2 x 1.5 V type mignon (AA)
Operation duration	ca. 60 h





Nedo laser receivers ACCEPTOR pro+ and COMMANDER 2 are equipped with the new, practically indestructible Heavy-Duty rod clamp as a standard.

mm display

Nedo Laser Receiver for Rotating Lasers

Nedo COMMANDER 2 with mm display

Extremely robust laser receiver with integrated radio remote control for rotating lasers of the PRIMUS 2 series.

With the mm display, height differences during levelling can be read off directly – without calculation.



Features:

- Extremely robust laser receiver for all rotating lasers with red laser beam
- mm-display
- Heavy-Duty rod clamp made of diecast aluminium
- Large detector field with 70 mm length
- Large LC display on front and back
- Bright LED display
- Adjustable volume
- Automatic switch-off
- Display of remaining battery power
- Easy to handle



Technical data:

Accuracy	switchable, ± 0.5 mm, ± 1 mm, ± 2 mm and ± 4 mm
Working range	\varnothing 700 m (depends on laser)
Length of detector field	70 mm
Reception angle	$\pm 50^\circ$
Protection class	IP 66
Operating temperature	-20°C to $+50^\circ\text{C}$
Power supply	3 x 1.5 V batteries (AA) or rechargeable batteries (NiMH)
Operation duration	up to 100 h

Ref.-No. 430 370 COMMANDER 2 HVA

Ref.-No. 430 371 COMMANDER 2 H2N

Ref.-No. 430 374 COMMANDER 2 H2N+

Ref.-No. 430 375 COMMANDER 2 HVA2N

ACCEPTOR M Tilt compensation

The Nedo ACCEPTOR M excavator receiver has a tilt compensation feature to accurately show the position of the excavator blade even when the dipper arm is inclined. The tilt of the dipper arm can be compensated up to an angle of 30°, allowing more precise work.



Nedo ACCEPTOR M

Sturdy laser receiver with easy-to-view display for use with construction machinery. When used with a rotating laser, the new Nedo **ACCEPTOR M** excavator receiver accurately shows whether the excavator blade is above, at or below the required height. Large, bright LEDs make it easy to view the display from the excavator cab. The switchable tilt compensation accounts for tilting of the dipper arm up to an angle of 30°. In this way the **ACCEPTOR M** reliably and accurately shows the position of the excavator blade in relation to the required height

Features:

- Robust excavator receiver for all rotating lasers with red laser beam
- Large detector field with a length of 190 mm
- 220° reception angle for reliable reception of the laser beam
- Very sturdy design
- Splashproof and dustproof in accordance with IP 66
- Firmly attached to the dipper arm by means of 12 very strong magnets
- Rubber studs to prevent slipping
- 3 precision levels with resolutions of 4 mm, 8 mm or 12 mm
- Very bright LEDs for easy viewing from the cab
- Tilt compensation up to 30° for greater precision even when the dipper arm is inclined
- Deactivatable signal tone
- Transport case and folding rule included
- Suitable for all rotating lasers with wavelengths from 600 nm to 780 nm



Nedo ACCEPTOR M

Ref.-No.	430 335
Accuracy	± 4 mm, ± 8 mm und ± 12 mm
Working range	Ø 1000 m (depends on laser)
Length of detector field	190 mm
Reception angle	220°
Protection class	IP 66
Operating temperature	-10°C to +50°C
Power supply	1 x 1.5 V mono-cell
Operation duration	approx. 45 h

2023

CONDROL

REFERENCE MEASURE

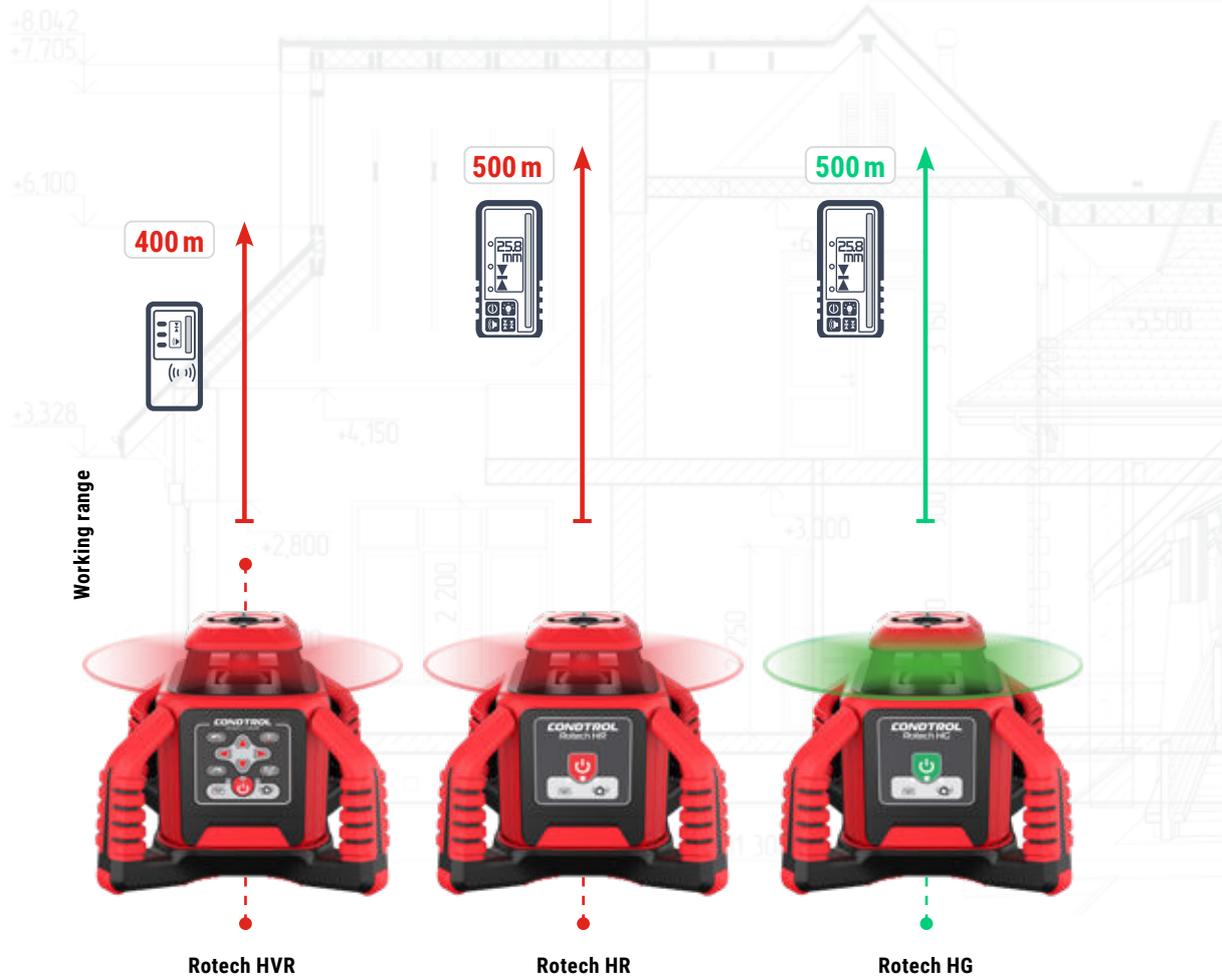


www.condtrol.com



SPECIFICATIONS

ROTARY LASERS



TECHNICAL CHARACTERISTICS

ACCURACY	0,1 mm/m	0,1 mm/m	0,1 mm/m
SELF-LEVELLING	±5°	±5°	±5°
CONTINUOUS OPERATING TIME	35 h	35 h	25 h
LASER TYPE	Class II, 630-685 nm < 1 mW	Class II, 630-685 nm < 1 mW	Class II, 515-520 nm < 1 mW
ROTATION SPEED	0, 120, 300, 600 rpm *	0, 120, 300, 600 rpm *	0, 120, 300, 600 rpm *
SCANNING MODE	0°, 10°, 45°, 90°, 180° *	0°, 10°, 45°, 90°, 180° *	0°, 10°, 45°, 90°, 180° *
WORKING RANGE OF THE REMOTE CONTROL	90 m	90 m	90 m
OPERATION BY THE APP VIA BLUETOOTH	•	•	•
DUST AND WATER PROTECTION	IP55	IP55	IP55
TRIPOD THREAD	5/8"	5/8"	5/8"
POWER SUPPLY	7,4 V 4000 mAh Li-Ion rechargeable battery	7,4 V 4000 mAh Li-Ion rechargeable battery	7,4 V 4000 mAh Li-Ion rechargeable battery
POWER SUPPLY OF THE RECEIVER	1 x 6F22 9 V	1 x 6F22 9 V	1 x 6F22 9 V
DIMENSIONS	150x128x161 mm	150x128x161 mm	150x128x161 mm
WEIGHT	1,5 kg	1,5 kg	1,5 kg



Roto HVR

Roto HVG

Digi Roto HVR

0,09 mm/m	0,09 mm/m	0,09 mm/m
±5°	±5°	±5°
20 h	15 h	20 h
Class II, 635 nm < 1 mW	Class II, 520 nm < 1 mW	Class II, 635 nm < 1 mW
0, 60, 120, 300, 600 rpm	0, 60, 120, 300, 600 rpm	0, 60, 120, 300, 600 rpm
0°, 10°, 45°, 90°, 180°	0°, 10°, 45°, 90°, 180°	0°, 10°, 45°, 90°, 180°
90 m	90 m	100 m
.	.	.
IP67	IP67	IP67
5/8"	5/8"	5/8"
4 x 1,2 V 4000 mAh Ni-MH rechargeable battery	4 x 1,2 V 4000 mAh Ni-MH rechargeable battery	4 x 1,2 V 4000 mAh Ni-MH rechargeable battery
1 x 6F22 9 V	1 x 6F22 9 V	1 x 6F22 9 V
206x206x211 mm	206x206x211 mm	206x206x211 mm
2,5 kg	2,5 kg	3 kg



Rotary laser Roto HVR

ROTARY LASERS



2+1* WARRANTY YEAR



TECHNICAL CHARACTERISTICS

Working range with receiver	600 m
Accuracy	0,09 mm/m
Self-levelling	± 5°
Rotation speed	0, 60, 120, 300, 600 rpm
Scanning mode	0°, 10°, 45°, 90°, 180°
Dust and water protection	IP67
Laser type	Class II, 635 nm < 1 mW
Power supply	4 x 1,2 V 4000 mAh Ni-MH rechargeable battery
Dimensions	206x206x211 mm
Weight	2,5 kg

Roto Remote App enables you to control the laser via Bluetooth from your smartphone. Main functions:

- display of the battery charge level
- mode selection
- rotation speed measurement
- adjustment of a scanning sector
- manual adjustment of the tilt angle



DELIVERY PACKAGE

	Roto HVR	Roto HVR Set
Item nr.	7-2-000	7-2-094
Laser	•	•
Ni-MH batteries	•	•
Laser receiver X-act Roto	•	•
Charger	•	•
Universal mount	•	•
Mount for laser receiver	•	•
Laser glasses	•	•
Magnetic target	•	•
Geodatic tripod Geo	•	•
Leveling pole Flexi Staff	•	•
Plastic case	•	•





Rotary laser Digi Roto HVR

ROTARY LASERS

4 HANDLES FOR EASY CARRYING AND PROTECTION

METAL HEAD

LASER PLUMB (ZENITH)

DIGITAL SLOPE IN X AND Y-AXIS

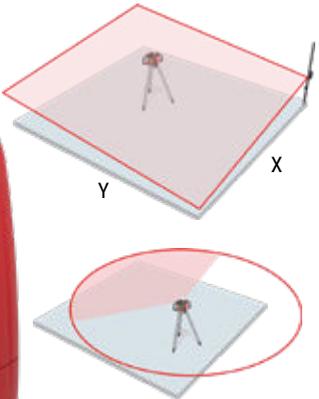
DUST AND WATER PROTECTION IP67



WITH REMOTE CONTROL AND DIGITAL RECEIVER



LASER PLUMB (NADIR)



ADJUSTMENT OF ROTATION SPEED AND SCANNING SECTOR VIA ROTO REMOTE APP

2+1* WARRANTY YEAR



TECHNICAL CHARACTERISTICS

Working range with receiver	600 m
Accuracy	0,09 mm/m
Self-levelling	± 5°
Rotation speed	0, 60, 120, 300, 600 rpm
Scanning mode	0°, 10°, 45°, 90°, 180°
Dust and water protection	IP67
Laser type	Class II, 635 nm < 1 mW
Power supply	4 x 1,2 V 4000 mAh Ni-MH rechargeable battery
Dimensions	206x206x211 mm
Weight	3 kg

Roto Remote App enables you to control the laser via Bluetooth from your smartphone. Main functions:

- display of the battery charge level
- mode selection
- rotation speed measurement
- adjustment of a scanning sector
- manual adjustment of the tilt angle



DELIVERY PACKAGE

Digi Roto HVR

Item nr.	7-2-096
Laser Digi Roto HVR	•
Ni-MH batteries	•
Laser receiver X-act Roto	•
Charger	•
Remote control	•
Universal mount	•
Mount for laser receiver	•
Laser glasses	•
Magnetic target	•
Plastic case	•





SUZHOU FUKUDA LASER PRECISION INSTRUMENT CO., LTD



HV Full Function Rotary Laser



FRE-203HV

FUKUDA FRE-203HV/203HV-G

- Suitable for major mid-ranged outdoor tasks, remodeling projects and interior ceiling and installation
- Green beam can provide excellent lines for indoor projects and enhances visibility in outdoor tasks
- Can be used for both horizontal and vertical application
- Accuracy: H: $\pm 20''$ (1mm in 10m), V: $\pm 20''$ (1mm in 10m)
- Compensation Self-leveling Range: 5°
- Manual Slope Function: $\pm 10\%$, four directions
- Measuring Range Diameter: Min 400m (With laser detector)
- Left/Right Spinning
- Spinning Speed 60. 120. 300. 600 r.p.m.
- Direction Scanning: $10^\circ; 45^\circ; 90^\circ; 180^\circ$
- Remote Distance : Approximately 30m indoor / 10m outdoor , depending on operating position
- Shocking Alert Function
- Power supply: Ni-MH Rechargeable Battery
- Continuous Working Hrs: 40hrs, depending on operating condition
- Operating Temperature: $-20^\circ\text{C} \text{--} +50^\circ\text{C}$ ($-4^\circ\text{F} \text{--} +122^\circ\text{F}$)
- IP: 55

<p>Working class RED / GREEN</p>	 CLASS 2 LASER PRODUCT 635nm	 515nm
<p>Standard Pack</p>	<p>LASER, Hard Carry Case, Radiation-proof Glass (Protection & Visibility Increase), and Magnetic Laser Targets, Remote Control, Both Alkaline and Ni-MH battery packs, Operating Manual, Charger & Adaptor, and one laser detector with mount-holder (FRD100)</p>	
<p>Suggested Accessories</p>	<p>Ceiling Bracket / Tripod / Grade Rod / Upgrade to FRD400 detector for more functions of detecting</p>	
<p>Warranty</p>	<p>Three year (one year unlimited + two year limited)</p>	

Dual-Slope Rotary Laser

Power Bright Laser

FUKUDA FRE-207/207G



FRE-207

- Dual-dial-in grade ($\pm 10\%$)
- Can be used for both horizontal precise applications
- Power Bright Red diode can provide high quality beam in indoor circumstances
- Suitable for Long Range working, layout, foundation building
- Tilt Alert Function when the laser is disturbed
- Rubber Protection / Metal made top cover for anti-shocking/ resistance
- Accuracy: H: $\pm 20'$ (1mm in 10m), V: $\pm 20'$ (1mm in 10m)
- Manual Function allows easy Slope/ Gradient job sites
- Slope Setting : $\pm 10\%$, Slope Accuracy : $\pm 20'$ (1mm in 10m)
- Manual Slope Function allows quick gradient tasks
- Compensation Self-leveling Range: 5°
- Measuring Range Diameter: Min 500m (With laser detector)
- Spinning Speed 60, 120, 300, 600 r.p.m.
- Direction scanning: 10° ; 45° ; 90° ; 180°
- Remote Distance : Approximately 40m indoor / 15m outdoor, depending on operating position
- Power supply: Ni-MH Rechargeable Battery
- Continuous Working Hrs: 40hrs, depending on operating condition
- Operating Temperature: -20°C -- $+50^\circ\text{C}$ (-4°F -- $+122^\circ\text{F}$)
- IP:55

Working class RED / GREEN	CLASS 2 LASER PRODUCT 635nm	LASER RADIATION AVOID DIRECT EYE EXPOSURE CLASS 3B LASER PRODUCT 515nm
Standard Pack	LASER, Hard Carry Case, Radiation-proof Glass (Protection & Visibility Increase), Magnetic Laser Targets, Remote Control, Ni-MH battery packs, Spare Alkaline Battery, Operating Manual, Charger & Adaptor, one laser detector with mount-holder (FRD400)	
Suggested Accessories	Tripod / Grade Rod / Ceiling Bracket / Upgrade to Wireless Control for long range control	
Warranty	Three year (one year unlimited + two year limited)	