

PRIMUS² Model HVA2N

Horizontal and Vertical Dual Grade Laser & Auto Align



Auto Align Function
in Horizontal & Vertical

Visit www.nedo.com then look at Nedo TV for video tutorials of "How to use" the Auto Align function in Horz & Vert



Auto Align

At the push of a button, the laser plane automatically aligns with the Commander2 Receiver in the **vertical** or **horizontal** position.

AUTHORISED DEALER

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ADDITIONAL Features over H2N & H2N+

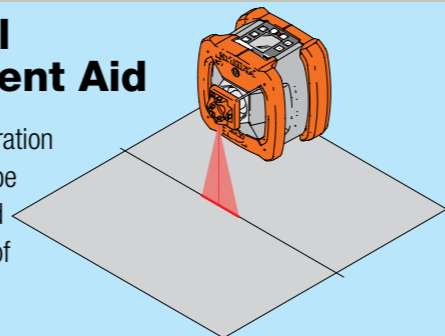
- Fully Automatic Vertical & Horizontal Dual Grade Laser
- Designed for both INTERNAL & EXTERNAL high accuracy applications
- **Auto ALIGN function:** Automatic alignment of the laser beam to the zero mark on the receiver
- Tilt Control-continuously monitoring in Tilt mode
- SCAN function and DOT mode
- UPWARDS plumb dot
- Commander² (HVA2N) Receiver Remote and Clamp. Uses special Auto Align Function and doubles as a remote unique feature
- Dual power supplies - NiMH and Alkaline tray - provided
- Laser target
- 3 Year Warranty for laser & Receiver/ remote.
- Quick Fix Adapter included

Specification

- Level . +/- 0.5mm/10m
- Self-Levelling Range +/- 5°
- Accuracy +/- 0.015% Slope function
- Direct entry Slopes int two Axis +/- 10 %
- Laser Class 2 (can be used on all Australian sites), Optional Class 3 available.
- Rotational speeds 10,60,300 and 600 rpm.
- SCAN angles 0,5,10 and 15 degrees
- Working range of remote control 150m dia
- Working range of Auto Align 50m dia
- Working range of Commander² receiver is 700m dia

Vertical Alignment Aid

In vertical operation the laser can be exactly aligned with the help of a laser line.



What's in the BOX



PRIMUS laser, Commander²(H2N+) Receiver/Remote and heavy duty clamp, Recharger, Spare Alkaline battery tray, Quick fix rapid lock adapter, Operators manual, Aust Calibration Certificate.

For HVA2N+, laser target and the Commander² (HVA2N)

DUAL GRADE LASER

BUILDING & CONSTRUCTION INSTRUMENTS



Nedo

DUAL GRADE LASERS

PRIMUS RANGE



3 Models to choose from:

- H2N
- H2N+
- HVA2N

A new standard in quality and reliability from Germany



Highly Accurate - see specifications page 3

Features:

PRIMUS² Dual Grade Laser • H2N • H2N+

- Fully automatic dual slope laser $\pm 10\%$
- Robust, motor powered levelling
- Direct grade entry for the X and Y axes slope values, once input, are stored upon switch-off
- Automatic level control stops the laser if it receives a heavy jolt. In this way, height errors are avoided
- Laser class 2 with bright beam technology™ - use safely on all Australian building sites
- Optional class 3 available
- Large, clear display showing inclination, rotation speed, battery level, etc.
- Rotor protection made of break proof glass
- Highly accurate even under the toughest conditions
- 3 Year Australian warranty
- **Commander Receiver** with heavy duty clamps - is a receiver and remote control all in **ONE UNIT**
- Australian Calibration Certificate
- Two power supplies (A) Rechargeable NiMH and (B) Alkaline battery 4 x 1.5V battery tray
- **PRIMUS² H2N+** As above with **TILT CONTROL**: the position of the laser plane is continuously monitored in the slope mode and re-levelled if necessary
- 900 RPM





Setting Standards for Precision and Reliability
The rotating lasers in the **PRIMUS²** series remain extraordinarily precise whatever the site conditions – in continuous rainfall, severe cold or blazing heat. Whether horizontal, vertical or at a gradient.



Thanks to their innovative shock protection system, the rotating lasers of the **PRIMUS²** series can easily withstand a fall from a height of 1m. The thick lining and rotor protection provide additional safety.



All **PRIMUS²** rotating lasers are fitted with high-quality laser diodes with 635nm wavelength. Laser class 2 featuring Bright Beam Technology™ thus ensuring optimum visibility of the laser beam.



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

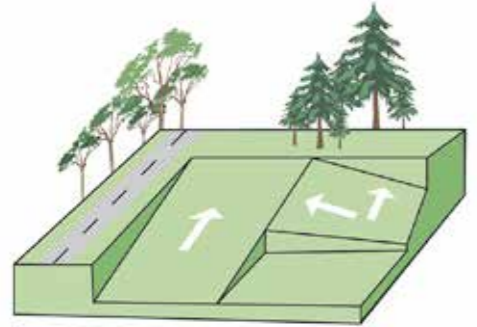


All **PRIMUS²** lasers feature in addition to the standard 5/8" mounting thread the quick-Fix rapid locking system which allows the **PRIMUS²** to be fixed in just a few seconds to any tripod. Quick-Fix adaptor included.

INCLUDED

3 Year Warranty

PRIMUS² - The Standard for Fully Automatic Horizontal Rotating Lasers



Scope OPTIONAL



Model **N-Scope**



Provides extremely accurate alignment of the laser **AXIS** over long distances. Can be attached without tools in a minute.



Model **N-Tray**

PRIMUS Battery Tray **INCLUDED**

Holds 4 x 1.5 v Alkaline batteries. Never run out of power with **both** rechargeable NiMH and Alkaline included with ALL PRIMUS Dual Grade models.

Model **PRIMUS² H2N & H2N+**



The **PRIMUS²** models **H2N & H2N+** include two power sources, Rechargeable and the Alkaline Battery tray - **Never run out of Power.**

The **COMMANDER²** is Unique as it is a Receiver and a Remote "**all in one unit**" - one less thing to lose on Site.

The additional features of the Model **H2N+** is the **TILT Control** - always monitoring in the slope mode and re-levels if necessary to original set datum, plus the increased % accuracy in Grade mode.

COMMANDER² RECIEVER & REMOTE



Features:

- Laser receiver with integrated radio remote control
- Large LC display on front and back
- Plain-language LCD display showing all the data of the Primus² displays
- Jet Water-proof and dust-proof to IP 66 (see photo)
- Bright LED display
- Adjustable volume
- Large detector field with 70mm length
- Display of remaining battery power
- Extremely robust
- Easy to handle
- Heavy duty rod clamp for laser receiver

All in the ONE unit mm Display

Technical Data:

- **Accuracy:** switchable, ±0.5mm, ±1.0mm, ±2.0mm, ±4.0mm
- **Length of detector field:** 70mm
- **Working Range:** ø 700m dia
- **Protection class:** IP 66
- **Operating Temperature:** -20°C to +50°C
- **Power supply:** 3 x 1.5V batteries (AA) or rechargeable batteries (NiMH)
- **Operation duration:** approx. 100 hours



APPLICATIONS

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 slabs
- Sports ovals
- Setting foundations and footings
- Landscaping

QUICK-FIX (included)

Attaches to your normal 5/8x11 tripod and allows mounting and unmounting of your PRIMUS in seconds



Technical Specifications

Levelling accuracy	±0.5mm/10m
Self levelling range	±5° motor-powered, with automatic level control
Accuracy of slope function X and Y	±0.015% PRIMUS ² H2N+ ±0.1% PRIMUS ² H2N
Working range ø	approx 700m dia using receiver COMMANDER2 H2N
Laser	<1mW, laser class 2, 635 nm <5mW, laser class 3R, 635nm - optional
Rotating Speed	600rpm 900rpm (H2N+)
Protection class	IP66
Power supply	(A) rechargeable batteries NiMH 4.8V, 8500mAh (B) Alkaline battery tray
Operation duration	approx. 100 hours (NiMH)
Connecting thread	5/8" PLUS Nedo Quick-Fix
Warranty	3 Years

Model **COMMANDER 2 - H2N+**