

Inclination Laser

NL-700/-701/-702

OLED display
Easy operation
Highest accuracy
Robust design
New wireless interface

Our new inclination lasers come in the versions **NL-700** as steep inclination laser with up to 50% inclination as well as **NL-701** and **NL-702** with and without telescopic sight for inclinations up to 20%. All types are now controllable on both axes via locking receivers and can be remote controlled in parallel via our optionally available FB-11 radio remote control or our free app "GEO-Remote". Apart from the unrivalled GEO quality, the new operating concept, further new functions and perfect display will impress you.



Exactly the right laser for surface construction!

The lasers in the NL-70x series are self-levelling inclination lasers via two axes. They project either a horizontal or a reference surface of defined inclination on one or two axes into space. The axes are aligned either via a precise telescopic sight that can be locked in 90° steps in the case of the NL-700 and NL-701 models or via an optical sight in the case of the NL-702 model.



For both axes, it is possible to take over the existing inclination using the optionally available FE-54 locking receiver.

Outstanding performance features!

Fully automatic

Automatic levelling, shut-off in case of jerky movement and warning function in case of wind and vibration in different sensitivity levels.

Robust metal housing

Plastic coated, purged and filled with nitrogen, 100% waterproof. Developed for tough construction site use.

Easy-to-read OLED display

The brightly illuminated display ensures excellent readability even in difficult lighting conditions. The graphic displays, especially in the settings, are intuitive and easy to understand, and simplify use considerably.

Special aiming device

The models with lockable telescopic sight allow quick and precise alignment of the inclination axis. Different heights can be aimed at by tilting the scope. With the precise 90° click-stop, right angles can be staked out quickly when necessary.

Inclination measurement parallel to the ground

When the existing ground slope is taken over in the unit by means of an FE-54 locking receiver, the inclination is then displayed.

Simple axis assignment of the optional FE-54 locking receiver

The axis to be controlled by the FE-54 can be selected easily by the user.

Laser range cut-off

To avoid disruptive reflections, the laser output can be reduced from 400 gon to 300 gon, 200 gon or 100 gon if required.

Increased security

To prevent theft, the name of the owner can be stored in the unit and is shown briefly in the display when the unit is switched on.

Li-ion battery

The integrated rechargeable battery provides up to 27 hours of operating time and is recharged in a maximum of 5 hours.

Radio remote control FB-11 (optional)

The remote control shows the display of the laser synchronously and allows remote control from up to a distance of 350 m.

Choice of language

The display texts can be changed from German to English if required.

Electronic level

For exact levelling of the unit, a circular bubble is shown in the display if required.

Adjustable rotor speed for all applications

The rotor speed can be adjusted in a range of 300 to 1200 rpm. For special applications, the rotation can also be switched off and the rotor head turned manually with the buttons.

Standard delivery package

No.	Order No.	Type	Description
1	0002.700.1	NL-700	Two-axis inclination laser with aiming device, up to 50% and rotary axis
or	0002.701.1	NL-701	Two-axis inclination laser with aiming device, up to 20%
or	0002.702.1	NL-702	Two-axis inclination laser with sight, up to 20%
with			
2	0037.25	NE-81	Mains power supply unit/battery charger
3	0077.36		Transport case

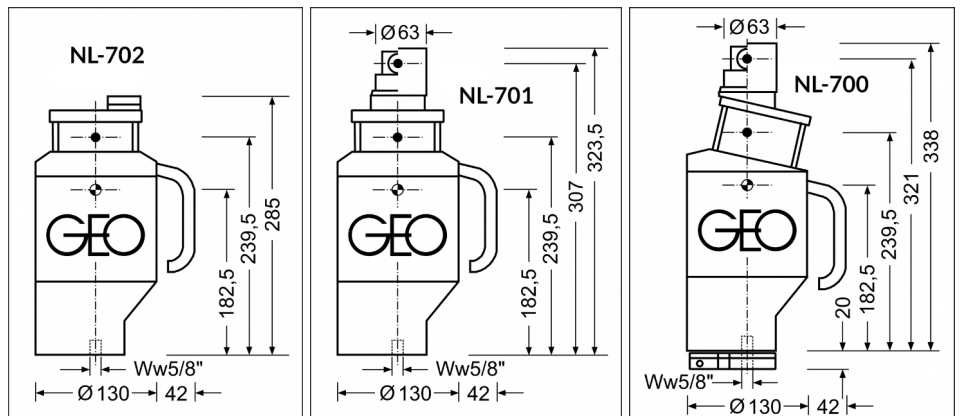


Optional accessories



No.	Order No.	Type / Description
1	0009.46.1	FE-54 Locking receiver for light plane
2	0026.16	FB-11 2-way radio remote control

Dimensional drawing NL-70x



Technical specifications

Laser class	2, Pp < 2.6 mW
Laser	diode laser, visible red, 658 nm
Range depending on ambient conditions	to 500 m, Ø 1000 m
Inclination range NL-701, NL-702	x-axis -5% to +20%
Inclination range NL-701, NL-702	y-axis -5% to +5%
Inclination range NL-700	x-axis -5% to +50%
Inclination range NL-700	y-axis -5% to +12%
Self-levelling range	over the complete inclination range
Speed setting	0, from 300 - 1200 rpm
Reading accuracy	0.001%
Permissible deviation	±5 mm/100 m
Operating time with internal Li-ion battery	up to 27 hours
External power supply	11 to 14 V DC with cable 0117.02
Undervoltage cut-off	yes
Watertight	to 0.35 bar
Temperature range	-10°C to +50°C
Weight	3.6 kg
Working distance radio remote control	up to 350 m
The range is restricted by obstructions in the path of the radio signal.	
Frequency range	2.4 GHz ISM band
Transmission power	< 100 mW (EIRP)
Guarantee	24 months
WEEE Reg. No.	DE 18149249

Conformity with national regulations:

GEO-Laser GmbH herewith declares that the devices NL-70x conform to the following directives: 2014/30/EU, 2014/53/EU and 2011/65/EU.

Designed, developed and
made in Germany

In countries with national regulations that are not covered by the European directives the operator must himself check the provisions and permits for use.
The homologation is only valid in conjunction with an antenna up to 3 dBi.