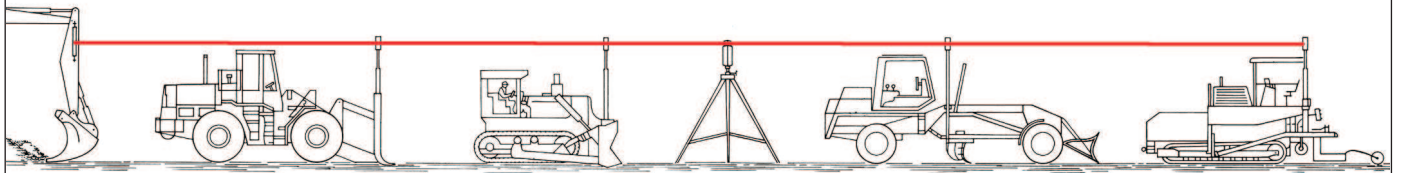


Automatic

Two-Axis Inclination Laser NL-80



*GEO-Laser
for surface construction*

simply the optimum



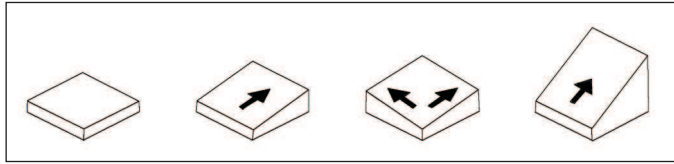
the new standard

Automatic Two-Axis Inclination Laser NL-80

Surface construction made easy:

The NL-80

is a surface construction laser capable of electronic self-levelling over two axes. It emits a laser beam, which turns into a light plane as it rotates. Horizontal, with single or double inclination, up to steep inclination.



Outstanding performance features:

- **Special aiming device**

For quick alignment of the inclination axis in all four directions, also when aligning at different target heights.

- **Fully automatic**

Automatic levelling, inclination zeroing and cut-out in case of low battery or jerky movement.

- **Increased safety**

Control indicators with blinking warning system for levelling, operation status and low battery.

Automatic laser cut-out in case of jerky movement (bumps). Shift guard for X/Y inclination setting and rotational speed. The values that have been set remain stored in the laser even after switching off or in the case of a low battery.

The name of the owner can be saved in the device to protect against theft.

- **Adjustable rotor speed from 200 to 1000 rpm**

for adjustment to different jobs and conditions. Selection possibility while working simultaneously with several lasers.

- **Robust metal housing**

Plastic-coated, swept and filled with nitrogen, 100 % watertight.

- **Illuminated, clearly legible LCD display**

Self-explanatory, for on/off, device data, company data, lock function, inclination, algebraic sign, unit % or ‰, rotor speed, operating status, battery level and menu.

- **Easy-to-use keyboard**

Clear layout, big, user-friendly, self-explanatory keys.

- **Special laser beam quality**

Diode laser with visible beam, high life expectancy and low power consumption.

- **Built-in rechargeable battery**

Cordless laser operation for 16 hours, makes the user independent of external power sources. Recharged in four hours.

Special feature: protection against discharging by automatic transport cut-out.

- **Practical carry handle**

Delivery package

1 = Laser NL-80, 2 = Battery charger LG-50, 3 = Transport case, 4 = Tribach



Technical specifications

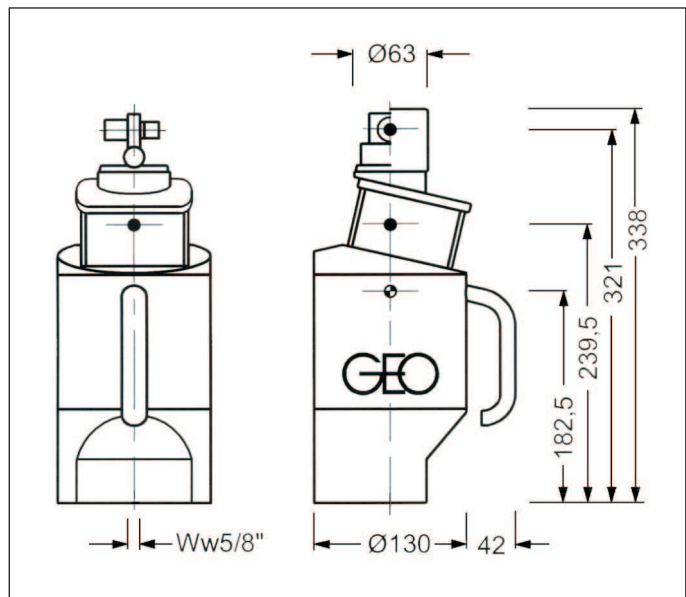
Laser class NL-80: 2, < 1 mW
 Laser class NL-81: 3R, < 5 mW
 Laser: diode laser, visible red, 658 nm
 Beam diameter: 13 mm at laser
 Range NL-80: to Ø 400 m
 Range NL-81: to Ø 1000 m

Inclination range: X-axis from - 5 % to + 50 %
 Inclination range: Y-axis from - 5 % to + 12 %
 Inclination range with device rotation: X-axis ± 50 % / Y-axis ± 12 %
 Self-levelling range: over the complete inclination range
 Smallest reading: 0.001 %
 Speed adjustment: from 200 - 1000 rpm

Operating time: NiCd battery to 16 hours
 External power supply: 11 to 14 V DC with cable 0117.00
 Low battery cut-out: yes
 Watertight: to 3.5 m
 Temperature range: - 10° C to + 50° C

Weight: 3.5 kg
 Adjustment: possible in the field without having to open the device
 Guarantee: 12 months

Dimensional sketch



European Quality Product



GEO quality guarantee

The new generation of lasers is the result of years of experience in the research, development and production of laser devices for the construction industry. The construction of the devices, the materials used as well as the GEO quality assurance system guarantee high functionality and life expectancy.

GEO - partner of the construction industry for 40 years

from:

GEO-Feinmechanik GmbH

Laser for civil and underground engineering, interior works, machine control

Postfach 13 01 64 Tel: +49(0)208 993570
 45445 Mülheim an der Ruhr Fax: +49(0)208 9935725

Solinger Str. 8 www.geo-laser.de
 45481 Mülheim an der Ruhr geo-team@geo-laser.de

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