

Automatic Rotary Laser RL-70L/-71L



**High-tech
made easy
1, 2, 3
set up
switch on
measure**

**On the mark with the
professional one-man
laser levelling system**

Automatic Rotary Laser RL-70L/-71L

The professional GEO levelling laser - simply the optimum

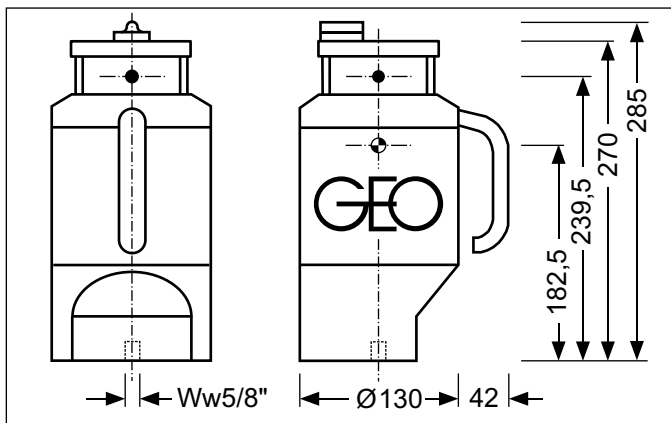
Functional description

The automatic rotary laser, type RL-70L/-71L is an all-round laser for horizontal use capable of electronic self-levelling over two axes. It emits a laser beam, which turns into a light plane as it rotates.

Performance features

- **Laser class**
RL-70L: Laser class 2, laser power < 1 mW.
 The easy standard laser class.
 No special safety precautions necessary.
RL-71L: Laser class 3R, laser power < 5 mW.
- **Fully automatic**
 Automatic levelling and cut-out in case of low battery or jerky movement.
- **Automatic function can be switched off**
 Therefore inclination adjustment by points of reference is possible.
- **Optical sight**
 For quick alignment of the inclination axis.
- **Illuminated, clearly legible LCD display**
 Self-explanatory, for on/off, device data, company data, lock function, operating status, battery level and menu.
- **Increased safety**
 Control indicators with blinking warning system for levelling, operating status and low battery.
- **Robust metal housing, 100 % watertight**
 Plastic-coated, swept and filled with nitrogen.
- **Special laser beam quality**
 Diode laser with visible beam, high-powered lens, high life expectancy and low power consumption.
- **Lithium ion rechargeable battery**
 Operation time to 28 hours with one charge.
 Rechargeable in max. 5 hours without having to take out the battery.
- **Uncompromisingly easy**
 All you have to do is switch on/off. The rest is done by the RL-70L/-71L automatically.
- **Checking and adjustment**
 Easily possible at the building site as well. The device does not have to be opened for adjustment.
- **Examples of use**
 Industrialised building, sheet pile ramming, ceiling installation, screed work, height transfer, height control, excavation work, road/track levelling, shuttering, foundation work, concrete work, lifting of buildings, tank construction, body-making and for machine control of excavators, caterpillars, finishers, graders.

Dimensional sketch



Technical specifications

Laser class RL-70L: 2, < 1 mW
 Laser class RL-71L: 3R, < 5 mW
 Laser: diode laser, visible red, 658 nm
 Beam diameter: 13 mm at laser
 Range RL-70L: to Ø 400 m
 Range RL-71L: to Ø 1000 m
 depending on circumstances and laser receiver
 Self-levelling range: ± 5 %
 Permissible deviation: ± 5 mm/100m
 Rotor speed: adjustable in steps of 0 to 800 RPM
 Operating time with 7.4 V DC Li Ion recharge. battery: to 28 hours
 External power supply: 11 to 14 V DC with cable 0117.02
 Low battery cut-out: yes
 Watertight: to 3.5 m
 Temperature range: - 10° C to + 50° C
 Weight: 3.4 kg
 Adjustment: possible in the field without having to open the device
 Guarantee: 24 months

Standard Delivery Package

No.	Order No.	Type	Description
1	0001.7xx	RL-7xL	Rotary Laser
2	0037.18	NE-80	Battery charger
3	0077.36		Transport case
1-3	0001.706.1	RL-70L	with standard delivery package
1-3	0001.715.1	RL-71L	with standard delivery package

Optional Accessories

No.	Order No.	Type	Description
1	1035.29		Lightning 2 laser receiver
2	1035.27	Storm	Laser receiver with digital data display
3	0009.39.1	LE-72	Laser receiver with digital data display
4	0059.06.1	ST-10	Alu. crank tripod, min. 0.55 m, max. 0.94 m
4	0059.01.1	ST-20	Alu. crank tripod, min. 0.93 m, max. 1.99 m
5	0085.03	LM5	Laser-Messfix S, 5 m
Further optional accessories on request			

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From:

European Quality Product

GEO-Feinmechanik GmbH

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

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