

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

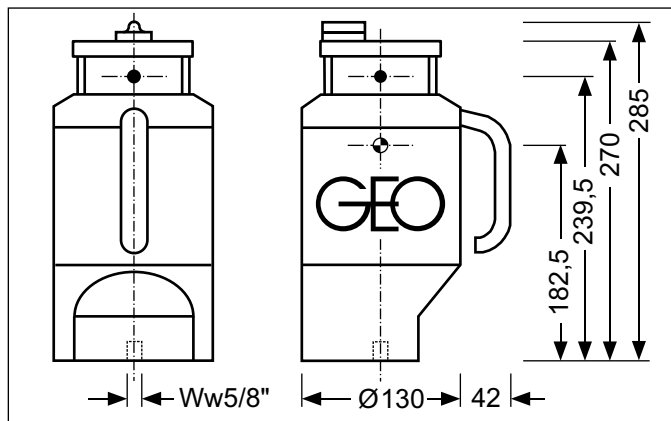
Functional description

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

CE Certified

GEO-Feinmechanik GmbH

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

Postfach 13 01 64
45445 Mülheim an der Ruhr

Solinger Str.8
45481 Mülheim an der Ruhr

Subject to change. Made in Germany.

Telephone +49 (0) 208-9 93 57-0
Facsimile +49 (0) 208-9 93 57-25

www.geo-laser.de
geo-team@geo-laser.de

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