

Automatic Plumb Laser LL-80

Going up quickly and safely



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Going up quickly and safely means: inexpensive

Functional description

The automatic plumb laser LL-80/-81 is a laser for plumbing up capable of electronic self-levelling over two axes.

The automatic plumb laser LL-82/-83 is a laser for plumbing down capable of electronic self-levelling over two axes.

Performance features

● LL-80/-82/-84

Laser class 2, laser power < 1 mW.

No special safety precautions necessary.

The easy standard laser class.

● LL-81/83

Laser class 3R, laser power < 5 mW, high-power version.

Laser power adjustable in five steps from 1 to < 5 mW for various requirements.

● Fully automatic

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

● Robust metal housing

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

● Special laser beam quality

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

● Practical carry handle

For easy carrying and handling.

● Built-in rechargeable battery

Cordless laser operation for 26 hours, makes the user independent of external power sources. Recharged in four hours.

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

● Increased safety

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

● Uncompromisingly easy

All you have to do is switch on/off. The rest is done by the LL-80 automatically.

● Checking and adjustment

Easily possible at the building site as well. The device does not have to be opened for adjustment.

Standard delivery package

No.	Art. no.	Type	Description
01	0001.400	LL-80	Plumb laser
02	0037.16	LG-80	Battery charger
03	0077.25		Transport case
04	0094.00.1		5/8"-hexagon bolt with nut and washer
05	0002.00	LL-ZT	Target with coordinate grid



Optional accessories

No..	Art no.	Type	Description
	0037.12	NE-06	Power supply with connection cable, 2 m
	0056.00.1		Standard tripod adapter with centre spigot
	0095.00.1		5/8"-threaded spindle with 3 x hex nuts

Technical specifications

Laser class LL-80/-82/-84: 2, < 1 mW

Laser class LL-81/-83: 3 R, < 5 mW

Laser: diode laser, visible red, 635 nm

Beam diameter: 13 mm at laser

Range LL-80/-82/-84: to 200 m

Range LL-81/83: to 500 m

Self-levelling range: $\pm 5\%$

Permissible deviation: $\pm 0.005\%$

Operating time: NiCd/NiMH battery to 26 hours

External power supply: 11 to 14 V DC with cable 0117.00

Low battery cut-out: yes

Watertight: to 3.5 m

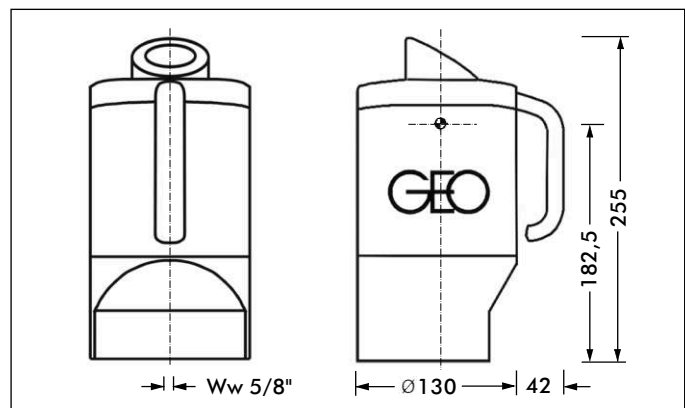
Temperature range: -10°C to $+50^{\circ}\text{C}$

Weight: 3.4 kg

Adjustment: possible in the field without having to open the device

Guarantee: 12 months

Dimensional sketch



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, materials used as well as the GEO quality assurance system guarantee high functionality and life expectancy.



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From:

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