





Automatic Plumb Laser LL-80

plumbing quickly and safely means: inexpensive

Functional description

The automatic plumb laser LL-80/-81 is a laser for plumbing up, 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

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.

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 40 hours, makes the user independent of external power sources. Recharged in 5 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.

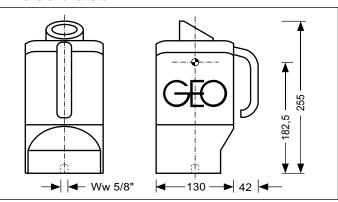
GEO quality guarantee

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.

Technical specifications

		2, < 1 mW		
		3 R, < 5 mW . diode laser, visible red, 635 nm		
Range	LL-80/-82:	to 200 m		
Range	LL-81/-83:	to 500 m		
Self-levelling range:				
Permissible	deviation:	$\dots \dots \pm 5 \text{ mm/100 m}$		
Operating time:				
Low battery cut-out:				
Watertight:		to 3.5 m		
Temperature range:				
Weight:				
Guarantee:				

Dimensional sketch



Standard delivery package

No.	Order No.	Туре	Description
01	0001.4xx	LL-8x	Plump laser
02	0037.16	LG-80	Battery charger
03	0077.36		Transport case
04	0094.00.1		5/8"-hexagon bolt with nut and washer
05	0002.00	LL-ZT	Target with coordinates grid
1-5	0001.400.1		LL-80 with standard delivery package
or	0001.410.1		LL-81 with standard delivery package
or	0001.420.1		LL-82 with standard delivery package
or	0001.430.1		LL-83 with standard delivery package
-	8675.11		Extra Charge, Deviation: ± 2.5 mm/100 m



Optional accessories

Order No.	Туре	Description
0037.12		Power supply with connection cable, 2 m
0061.07		Plump Tripod
0061.15	BS-20	Ground tripod
0056.00.2		Quick-Fix base plate
0056.00.1		Standard tripod adapter with centre spigot
8803.06	KA-84	Claw adaptor, swivelling, system Leica/Wild
8869.00	DF-TZ	Tribrach, system Trimble/Zeiss
0033.13		Plump-down laser adaption
	0061.07 0061.15 0056.00.2 0056.00.1 8803.06 8869.00	0061.07 ST-08 0061.15 BS-20 0056.00.2 0056.00.1 8803.06 KA-84 8869.00 DF-TZ



GEO - partner of the construction industry for 45 years

From:

European Quality Product

CE

Certified



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