

Automatic Interior Installation Laser IL-90L/-91L



Automatic Interior Installation Laser IL-90L/-91L

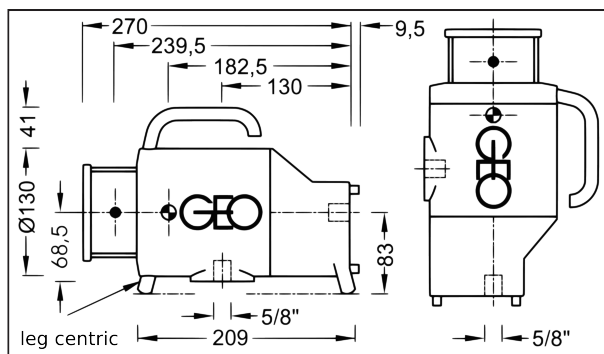
The professional interior installation laser

The automatic rotary laser IL-90L /91L is an all-round laser for horizontal and vertical use capable of electronic self-levelling over three axes. Equipped with a beam split prism in the rotor head, it can also be used as a square or plumb laser. It emits a stationary or rotating laser beam, which turns into a light plane. Although it was specially developed for interior installation works, it can also be used for many other purposes. The pipe lasers of the 90 generation have a green laser beam which is much better visible, especially at daylight.

Performance features:

- **IL-90L**
Laserclass 2, Laser power < 1mW. No special safety precautions necessary. The easy standard laser class.
- **IL-91L**
Laserclass 3R, Laser power < 5 mW, High-Power Laser power version. Special feature: laser power adjustable in five steps.
- **Fully automatic**
Automatic levelling and cut-out in case of low battery or jerky movements.
- **Manual rotor adjustment**
Easy operation for exact positioning of the laser beam, rotor fixing and plumbing down.
- **Scan operation**
Generates a limited, significantly brighter laser beam line.
- **Automatic function can be switched off**
Therefore inclination adjustment by points of reference possible.
- **Special laser beam quality**
Diode laser with visible thin beam, high-powered lens, high life expectancy and low power consumption.
- **Increased safety**
Control indicators with blinking warning system for levelling, operating status and low battery.
- **Li Ion battery**
Operating time up to 21 / 18 hours IL-90L/-91L with one charge. Fully chargeable in max. 5 hours without having to take out the battery.
- **Automatic fixing of the laser light plane**
By pressing a button automatic search and fixing of the laser light plane of the Y axis. The function is as simple as it is ingenious: The rotating laser beam is received by the locking receiver FE-53 and then automatically directed to the position fixed before. Deviations are detected and corrected immediately. Accuracy to +/- 0.5 mm/100 m.
- **Checking and adjustment**
Easily possible at the building site as well. The device does not have to be opened for adjustment.

Dimensional sketch



Technical specifications

Laserclass IL-90L.....	2, < 1 mW
Laserclass IL-91L.....	3R, < 5 mW
Laser.....	diode laser, visible green, 520 nm
Beam diameter.....	at Laser 5 mm
Range IL-90L/IL-91L.....	to Ø 200 m
.....	depending on the surrounding conditions and the receiver
Automatic function.....	horizontal und vertical
Automatic function can be switched off.....	yes
Self-levelling range.....	± 5 %
Permissible deviation.....	± 0,005 %
Rotor speed.....	adjustable in steps, 0 up to 800 U/Min.
Operating time IL-90L.....	up to 21 hours
Operating time IL-91L.....	up to 18 hours
External power supply.....	11 to 14 V DC via cabel 0117.02
Low battery cut-out.....	yes
Watertight.....	up to 3,5 m
Temperature range.....	- 10° C up to + 50° C
Weight.....	3,4 kg
Adjustment:.. possible in the field without having to open the device	
Guarantee.....	24 month

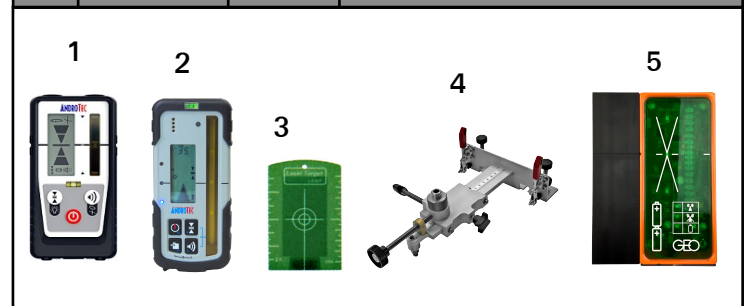
Standard delivery package

No.	Order-Nr.	Type	Description
01	0001.8x6	IL-9xL	Rotary Laser
02	0037.18	NE-80	Power unit
03	0077.36		Transport case
1 - 3	0001.806.1	IL-90L	with standard delivery package
1 - 3	0001.816.1	IL-91L	with standard delivery package



Optional accessories

No.	Order-Nr.	Type	Description
1	1035.86	Structor	Laser Receiver
2	1035.87	Metor	Laser Receiver with digital display
3	1034.44.001		Laser target, green
4	0061.01.2	BW-80	Base Plate/Wall Mount
5	0009.44.1	FE-53GN	Locking Receiver, green



Designed, developed and
made in Germany

