

Automatic

Pipe Laser KL-80L/-81L



Tough and durable . . .



. . . strong on performance

Automatic Pipe Laser KL-80L/-81L

- safe ● precise ● perfect

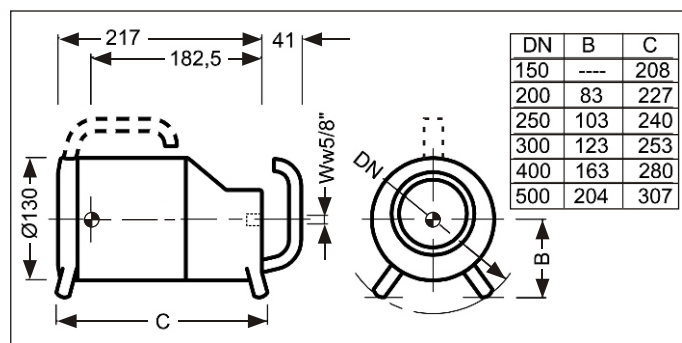
The GEO pipe laser emits an automatically levelled or defined inclined laser beam as reference axis. It was specifically designed for pipe laying, but can also be used for a variety of other purposes.

It can be set up centrally or at a constant distance above the pipe invert. Suitable legs, tripods and fastening systems are available for this.

Performance features

- **KL-80L**
Laser class 2, laser power < 1 mW
- **KL-81L**
Laser class 3R, laser power < 5 mW, high-power version.
Special feature: laser power adjustable in five steps.
- **Fully automatic**
Automatic levelling, banking compensation, inclination zeroing, direction centring and cut-out in case of undervoltage or jerky movement.
- **Robust metal housing**
Anodised, plastic-coated, filled with nitrogen, 100% watertight.
- **Special laser beam quality**
Diode laser with visible beam, high life expectancy and low power consumption.
- **Brightly illuminated, easily legible LCD display**
Self-explanatory, for on/off, device data, company data, lock function, inclination, algebraic sign, unit % or ‰, direction limitation, centring, operating status, battery status and menu.
- **Easy-to-use keyboard**
Clear layout, practical, big, user-friendly keys.
- **Practical carry handle**
- **Lithium ion rechargeable battery**
Operation time to 60/45 hours with one charge.
Rechargeable in 5 hours max. without having to take out the battery.
Special feature: automatic transport cut-out.
- **Stable mounting legs**
Guarantee secure, positively centred footing in the pipe.
- **User-friendly infrared remote control**
For direction setting, laser on/off and laser flicker mode.

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

GEO - partner of the construction industry for 50 years



Designed, developed and
made in Germany

Technical specifications

KL-80L laser class: 2, < 1 mW
KL-81L laser class: 3R, < 5 mW
Laser: diode laser, visible red, 635 nm
Beam diameter: 13 mm at laser
Range: KL-80L to 200 m/KL-81L to 500 m
Inclination range: -10% to +40%
Self-levelling range: -5% to +40%
Reading precision: 0.001%
Permissible deviation: ± 5 mm/100 m
Direction setting range: ± 5.000°
Banking compensation: ± 4°
Operating time with lith. ion rech. battery: KL-80L/-81L: up to 60/45 hours
External power supply: 11 V DC to 14 V DC with cable 0117.02
Undervoltage cut-out: yes
Watertight: to 0.35 bar
Temperature range: -10° C to +50° C
Dimensions/Weight: Ø 130 mm, length 265 mm/3 kg
Range IR remote control: to 150 m from front/to 17 m from behind
Guarantee: 24 months

Standard delivery package

No.	Order no.	Type	Description
01	0001.105	KL-80L	Pipe laser
02	0077.36		Transport case
03	0016.07	KL-04	Target frame
03	0016.09.002		Plexi target DN 150 - 300
04	0037.18	NE-80	Power supply/Battery charger
05	0077.36.002		Double headed wrench 10/13
06	0019.07		Leg set DN 200 (2 x sliding leg/ 2 x fixing leg)
07	0019.08		Leg set DN 250 (2 x sliding leg/ 2 x fixing leg)
08	0019.09		Leg set DN 300 (2 x sliding leg/ 2 x fixing leg)
1 - 8	0001.105.1		KL-80L with standard delivery package
1 - 8	0001.115.1		KL-81L with standard delivery package



Optional accessories

No.	Order no.	Type	Description
09	0016.09.003		Plexi target DN 400 - 500
10	0026.05	IF-80	IR remote control
11	0019.10		Leg set DN 400 (2 x sliding leg/ 2 x fixing leg)
12	0019.11		Leg set DN 500 (2 x sliding leg/ 2 x fixing leg)
13	0019.90		Leg adapter for mounting with 3 legs
9 - 13	0125.01.1	KP-IR	Comfort version for pipe laser



from:

GEO-Laser GmbH
Solinger Str. 8
45481 Muelheim an der Ruhr
Germany

Telefon: +49 208 99357-0
Telefax: +49 208 99357-25
info@geo-laser.de
www.geo-laser.de