

Automatic Pipe Laser KL-80



Tough and durable . . .



. . . strong on performance

Automatic Pipe Laser KL-80

● safe ● precise ● perfect

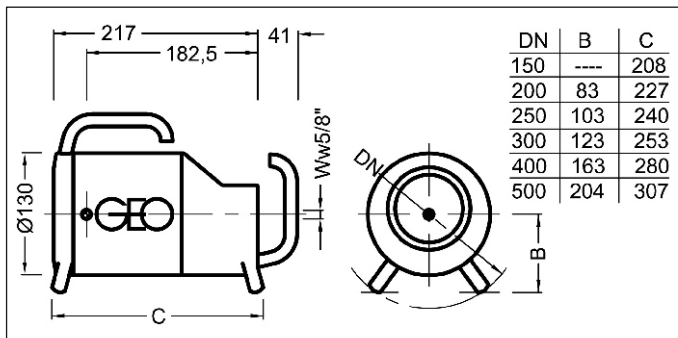
The GEO pipe laser emits an automatically levelled or defined inclined laser beam as reference axis. It was specifically designed for pipe laying, but can also be used for a variety of other purposes.

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-80**
Laser class 2, laser power < 1 mW
- **KL-81**
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**
- **Built-in rechargeable battery**
Cable-free laser operation, for independence from external power sources. Recharged in 4 hours. Special feature: protection against discharging by automatic transport cut-out.
- **Stable mounting legs**
Guarantee secure, positively centred footing in the pipe.
- **Menu**
For various settings and adjustments.
- **User-friendly infrared remote control**
For direction setting, laser on/off and laser flicker mode.

Maßskizze



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-Feinmechanik GmbH

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

Technical specifications

KL-80 laser class: 2, < 1 mW
KL-81 laser class: 3R, < 5 mW
Laser: diode laser, visible red, 635 nm
Beam diameter: 13 mm at laser
Range depending on ambient conditions: KL-80 to 200 m
 KL-81 to 500 m

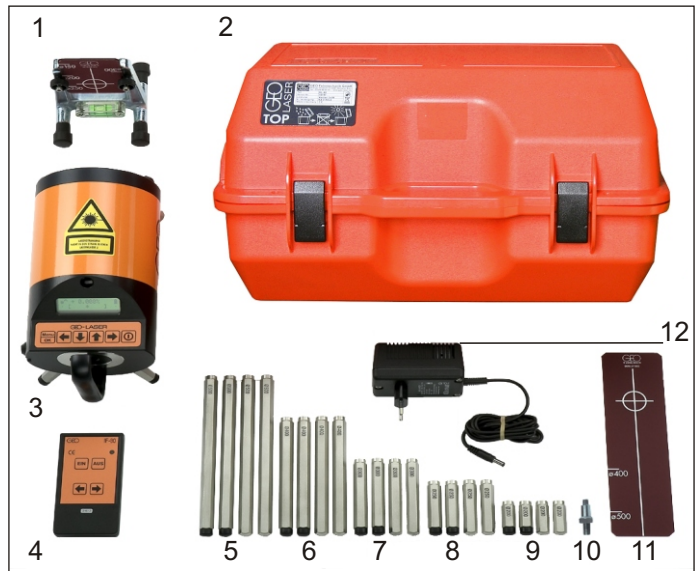
Inclination range: -10% to +40%
Self-levelling range: -5% to +40%
Reading precision: 0.001%
Permissible deviation: ±0.005%
Direction setting range: ±5.000%
Banking compensation: ±4°

Operating time: NiCd-/NiMh rech. battery to 28 hours
External power supply: 10.5 V DC to 15 V DC with cable 0117.00
Undervoltage cut-out: yes

Watertight: to 0.35 bar
Temperature range: -20°C to +50°C
Dimensions: Ø 130 mm, length 265 mm
Weight: 4.2 kg

Range IR remote control: to 150 m from front
 to 17 m from behind
Guarantee: 12 months

Delivery package



- 1 Target frame with target DN 150 - 300
- + 2 Transport case, with lock
- + 3 Pipe laser with leg set DN 150
- + 7 Leg set DN 300
- + 8 Leg set DN 250
- + 9 Leg set DN 200
- + 12 Battery charger
- + Operating instructions
- = **Basic version**
- + 4 IR remote control
- + 5 Leg set DN 500
- + 6 Leg set DN 400
- + 10 Adapter for mounting with 3 legs
- + 11 Target DN 400 - 500
- = **Comfort version**

GEO - partner of the construction industry for 40 years

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Subject to change. Made in Germany. Date: 04/2008