

Tunneling Laser TL-80

Simple handling
Quick and precise
Robust metal housing

Laser light directs to the target.

The TL-80 emits a laser beam as reference axis. It is equipped with a horizontal and vertical rotation axis system with clamp and fine adjustment knob for quick and exact fine adjustment. The tunnelling laser can be used on its own or in combination with a traversing system. In this case it is advantageous to adjust the trunnion axis height to the surveying instrument that is used.

Performance features that convince!

Simple Handling

Large working range
vertical 300°, horizontal 360°

Robust metal housing

Laser and electronic housing nitrogen swept and filled, 100 % watertight.

Special laser beam quality

Diode laser with visible beam, high-performance optics, high life expectancy and low power consumption. Laser class 3R, laser power < 5 mW.

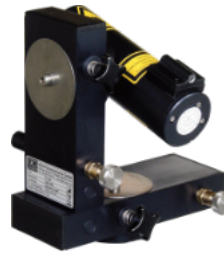
Reliable accessories

Guarantees optimal use.



Delivery package

No.	Order no.	Type	Description
1	0001.550	TL-80	Tunnel-Laser
2	0094.00.1S		5/8" hexagon head cap screw with nut and washer
3	0077.30		Transport case TL-80
1-3	0001.550.1		TL-80 with standard delivery package



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Accessories, optional

No.	Order no.	Type	Description
1	8803.02	KA-80	Claw adapter, system Leica/Wild
2	1051.05	DF-LW	Tripod, system Leica/Wild
3	0037.09	NE-12/2A	Power supply
4	8803.03	SA-34	Plug-in spigot adapter, d = 34, D = 45, 5,8"
5	8869.00	DF-TZ	Tripod, system Trimble/Zeiss
6	0029.13 or 0029.03	HA-196 HA-xx	Level difference adapter with D = 16,5 mm for trunnion axis height 196 mm With D optionally for individual trunnion axis height. When ordering please indicate the desired trunnion axis height.



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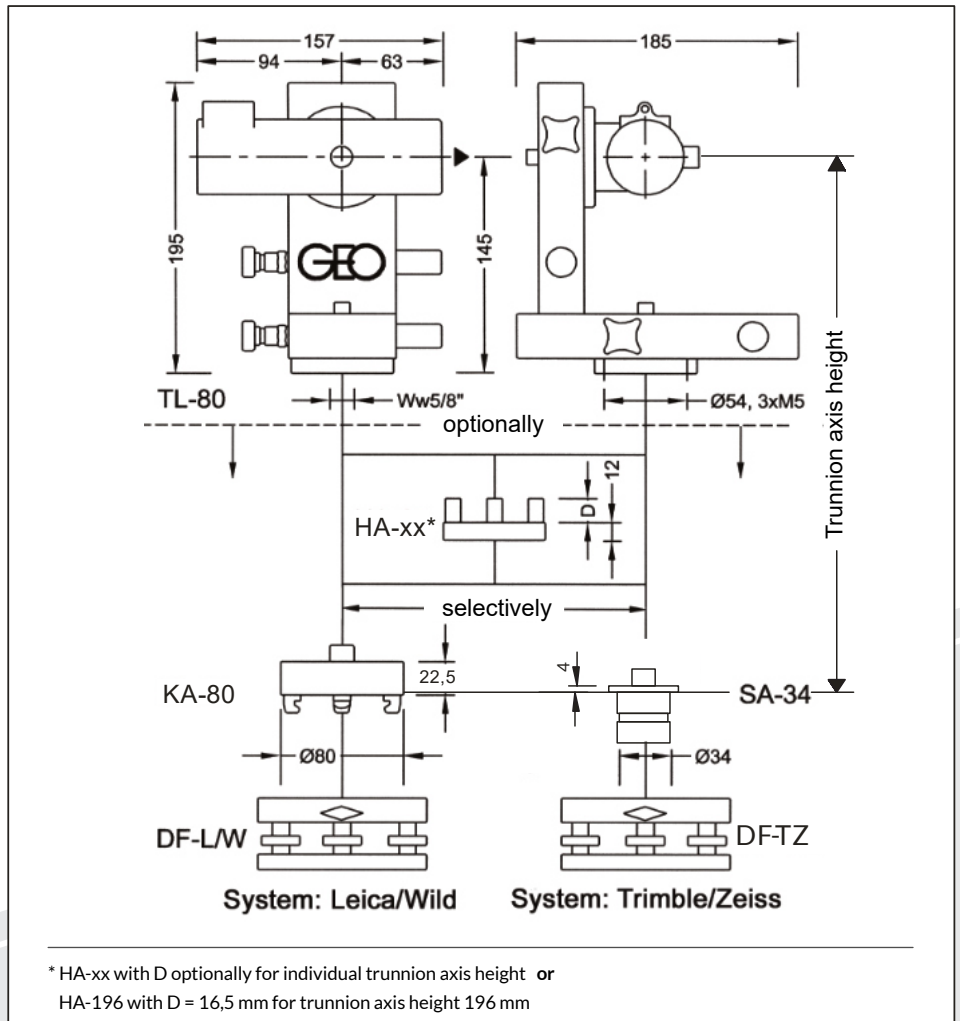


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Dimensional sketch TL-80



Specifications

Laser class: 3R, P < 5 mW
 Laser type: diode, visible red, 635 nm
 Beam diameter: at laser 13 mm
 Range: to 500 m
 Power supply: 10 bis 14 V DC/0.1 A
 Reverse battery protection: yes
 Watertight: to 3.5 m
 Temperature range: from - 20° C bis + 50° C
 Weight: 1.8 kg
 Guarantee: 24 month

Designed, developed and
made in Germany