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Microtunneling VL80 Laser Guidance System.

We supply different types of **guidance systems**.

The **VL80 Laser** is an exceptional laser. It emits an automatically levelled or defined inclined target beam and a second beam for direction locking.

For Sale & For Rent

Technical specifications

Locking beam: class 2, < 1mW, red 635 nm
Locking beam Ø: 5 mm at laser, approx. 13 mm in 15 m
Target beam: class 3R, < 5 mW, red, 658 nm
Target beam core Ø: 13 mm at laser, + approx. 5.5 mm per 100 m
Range depending on ambient conditions: up to 500 m

Direction setting range: ± 5 % (10 m over 100 m)
Automatic directioning: in conjunction with FE-80
Distance between VL-80 and FE-80: 2 to 15 m
Inclination adjustment range locking beam: - 2.5 % to + 110 % (48°)

Inclination adjustment range target beam: - 10 % to + 40 %
Reading accuracy: 0.001 %
Permissible deviation: ± 0.005 %
Adjustment: possible without having to open the device

Power supply: 10 to 13.8 Volt DC / 0.4 A
Reverse voltage protection and low battery cut-out: yes
Watertight: to 3.5 m
Temperature range: - 20° C to + 50° C
Weight: VL-80 3.1 kg + PH-80 2.2 kg = 5.3 kg

