



Down2Earth bv  
Rue Zénobe Gramme, 13  
4710 Lontzen - BELGIUM  
VAT ID - BE 0898.388.858

Phone: +32 87 275 946  
Mobile: +32 476 740 876  
info@down2earth.com  
www.down2earth.com

## Microtunneling VL80 Laser Guidance System, fully serviced by manufacturer with warranty

We supply different types of **guidance systems, fully serviced by manufacturer or new.**

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, < 1 mW, 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

