Leica Viva TS15 G
Total Station for Tunneling

The Leica Viva TS15 G is a Total Station, especially designed for tunnelling applications. Its small red laser spot makes it ideal for guiding tunnel boring machines or visualizing boreholes for rock blasting.

Leica Viva TS15 G Features

- Laser Guide
  - small diameter
  - clearly visible even in difficult conditions
  - visible up to 500 m
- Can be operated using the total station keyboard or remotely from a PC via the serial interface of the total station

- when it has to be **right**

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Total Station for Tunneling

Visible Laser Spot

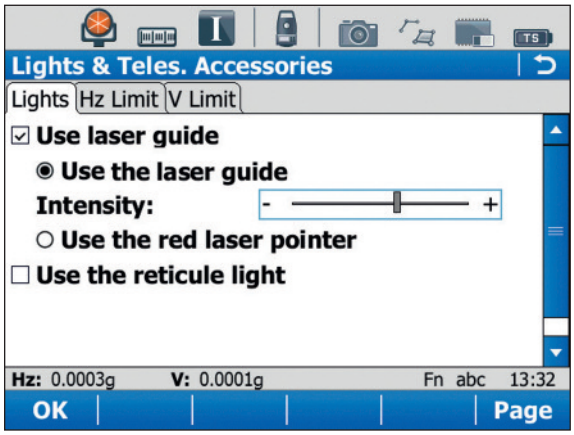
- Very small laser spot marks points exactly – typical spot diameter of less than 45 mm at 200 m.
- Clear red laser spot – easy to see, even in difficult conditions (e.g. dust, water).
- Laser spot visible up to 500 m, depending on light conditions and surface.

Operation

- The Laser Guide can be operated manually via the total station keyboard.
- For remote operation the Laser Guide can be controlled from a PC via the serial interface of the total station.
- The Laser Guide's intensity can be regulated in ten steps from 0 % to 100 % – for optimal visibility in all light conditions.

Applications

- Ideal for tunneling and mining applications (e.g. guiding tunnel boring machines, visualizing boreholes for rock blasting).
- Precise marking of inaccessible objects.



Technical Data – Laser Guide	
Range	
Daylight	250 m
Darkness	500 m
Typical Spot Diameter	
At 50 m	‹15 mm
At 100 m	‹25 mm
At 200 m	‹45 mm
At 300 m	‹65 mm
Offset to line-of-sight	
Vertical offset	52.2 mm

Swiss Technology by Leica Geosystems

TQM ISO 9001 / ISO 14001

Total Quality Management – our commitment to total customer satisfaction.

Distance meter (Prism), ATR:
Laser class 1 in accordance with IEC 60825-1 resp. EN 60825-1

Laser plummet:
Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1

Distance meter (Non-Prism):
Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1

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