

TRANSIENT
TECHNOLOGIES

VI45-125

**Ground Penetrating
Radar**

High depth antenna: 125 MHz



VI45-125 GPR

Applications

Geophysical

Ecological

Building

Archaeology

Civil engineering

Main features

- Real time signal pre-processing (Online filtering)
- Auto-Calibrated online filters
- Wide range of post processing tools
- Increased dynamic range due to digital traces-stacking
- Innovative Telbin technology to get high signal-to-noise ratio
- Connection to laptop: Wi-Fi or USB
- All GPR components (antennas system, electronic modules, battery, etc.) are assembled in a single case
- No additional Control Unit.
Any Windows-based laptop can be used for working
- Direct connecting of Measuring wheel and GPS to antenna unit
- Low power consumption: not less than 8 hours of working on a single charge
- Durable antenna body made of fiberglass plastic
- Replaceable bottom protector

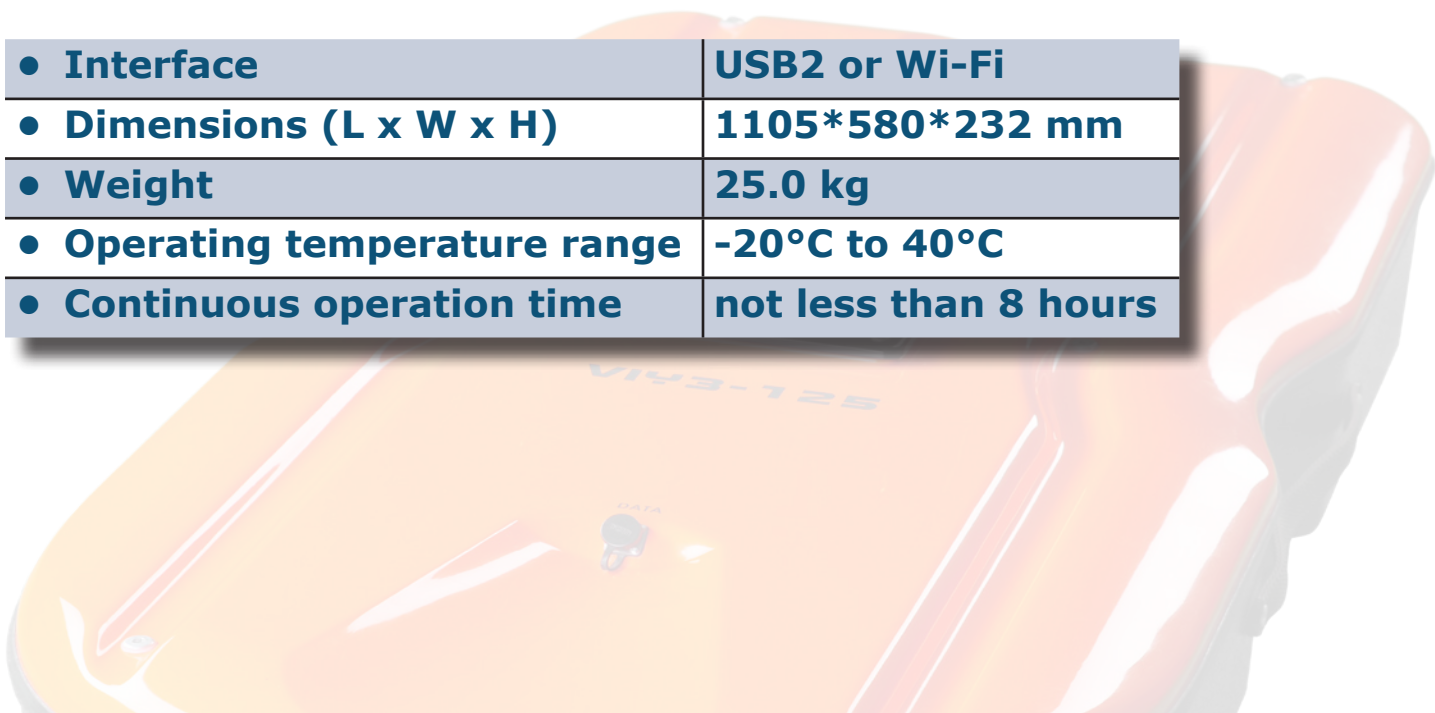
VI45-125 GPR

Specifications

● Antenna frequency	125 MHz
● Analogue-to-Digital Converter range	18 bit
● Dynamic range (not less than)	135 dB
● Data acquisition rate (up to)	150 traces/second
● Survey window	120, 180, 240, 320 ns

● Max. samples per trace	1000
● Trace stacking number	up to 300
● Depth of sounding (determined by soil properties)	up to 15 m
● Spatial resolution	better than 1.0 m
● Trigger mode	single, internal, external
● File size of a single profile	up to 1 000 000 traces

● Interface	USB2 or Wi-Fi
● Dimensions (L x W x H)	1105*580*232 mm
● Weight	25.0 kg
● Operating temperature range	-20°C to 40°C
● Continuous operation time	not less than 8 hours



VIY5-125 GPR

