

TRANSIENT
TECHNOLOGIES



VIY5-070

**Ground Penetrating
Radar**

70 MHz

**The lowest frequency
antenna in VIY5 series**



VI45-070 GFR

Specifications

● Antenna frequency	70 MHz
● Receiver-to-Transmitter offset	1500 mm
● Analogue-to-Digital Converter range	18 bit
● Dynamic range (not less than)	135 dB
● Data acquisition rate (up to)	150 traces/second
● Survey window	240, 360, 480, 600 ns

● Max. samples per trace	1000
● Trace stacking number (up to)	300
● Depth of sounding (up to) determined by soil properties	30 m
● Spatial resolution (better than)	2.0 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*W*H (each case)	1200*607*308 mm
● Weight (each case)	32.0 kg
● Operating temperature range	-20°C to 40°C
● Continuous operation time (not less than)	6 hours

VIY5-070 GPR

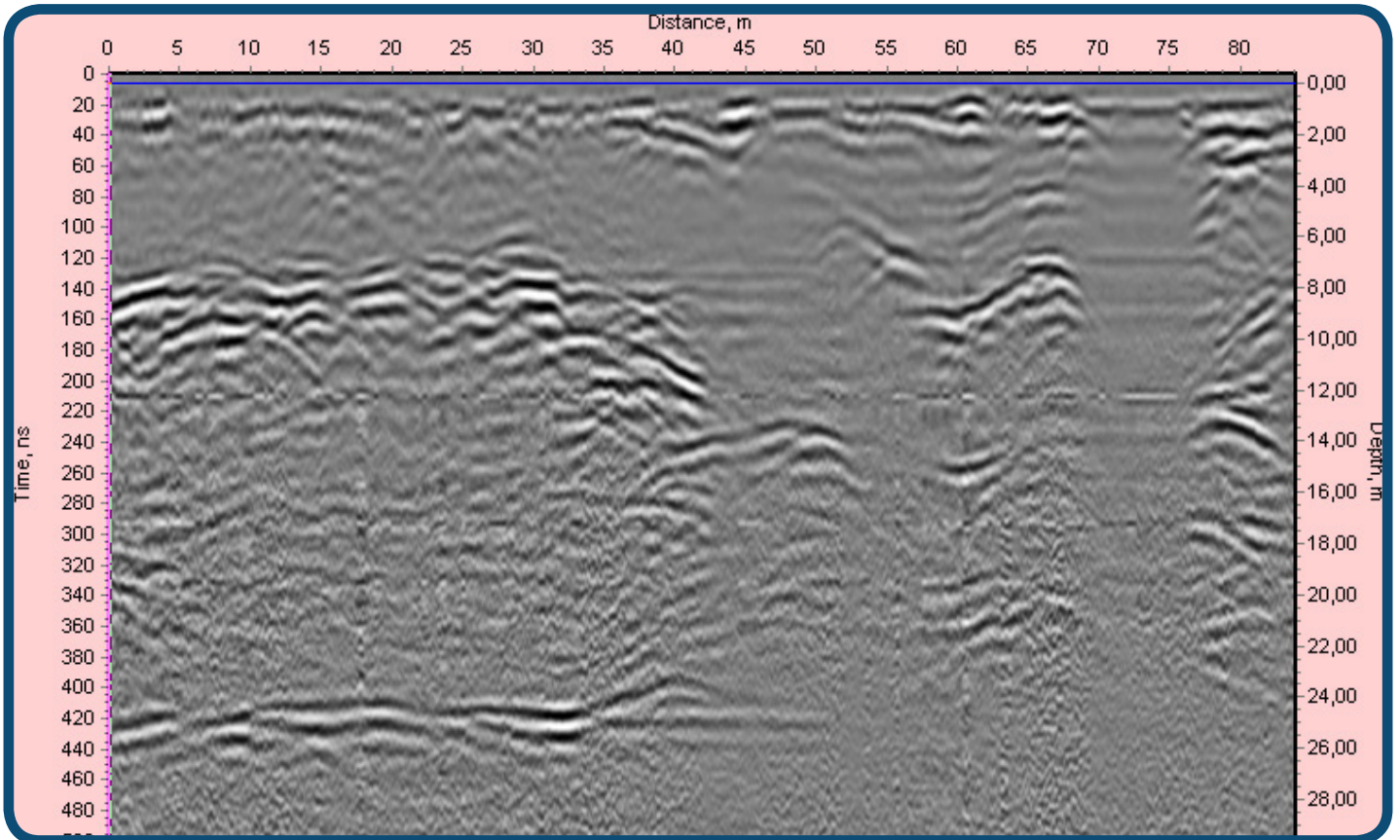
Applications



Main features

- **GPR consists of 2 separate antenna units: transmitter and receiver**
- **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**
- **Direct connection of Measuring wheel and GPS to antenna unit**
- **No additional Control Unit.
Any Windows-based laptop can be used for working**
- **Sealed Lead Acid Batteries**
- **Batteries are installed in each antenna unit**
- **Low power consumption: not less than 6 hours of working on a single charge**
- **Durable antennas' fiberglass plastic bodies**

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