

# TRANSIENT

T E C H N O L O G I E S



## VIY3-070

### Ground Penetrating Radar

70 MHz

The lowest frequency  
antenna in VIY3 series



# VIY3-070 GPR



## 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)	30 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

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## Applications

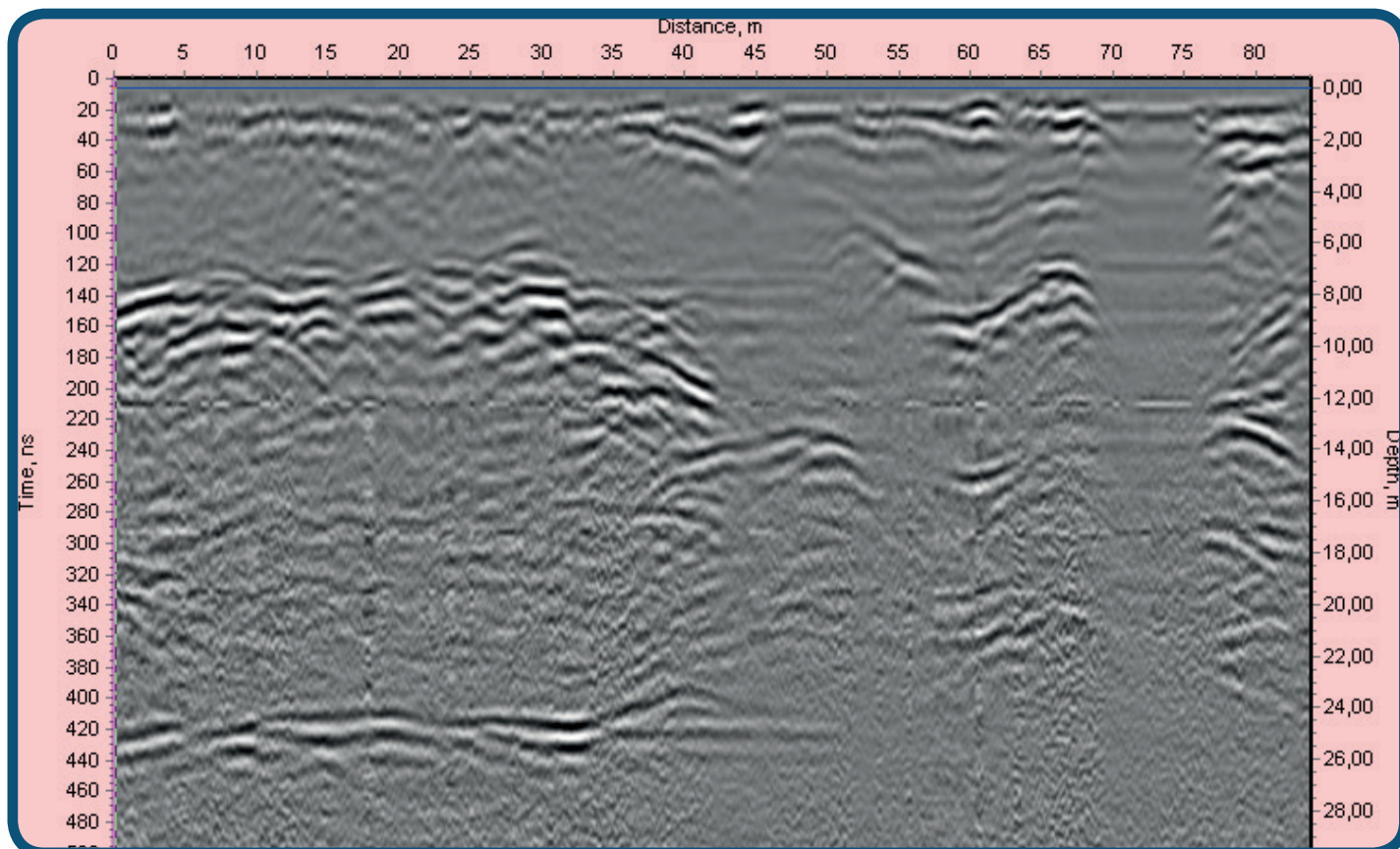


## Main features

- 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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