

TRANSIENT

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



VI43-300

Ground Penetrating Radar

Middle range antenna:
300 MHz



VIY3-300 GPR

Specifications

● Antenna frequency	300 MHz
● Analogue-to-Digital Converter range	18 bit
● Dynamic range (not less than)	135 dB
● Data acquisition rate (up to)	55 traces/second
● Survey window	66, 100, 133, 166 ns

● Max. samples per trace	1000
● Trace stacking number (up to)	300
● Depth of sounding (up to) determined by soil properties	8 m
● Spatial resolution (better than)	0.3 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	610*312*170 mm
● Weight	9.0 kg
● Operating temperature range	-20°C to 40°C
● Continuous operation time (not less than)	8 hours

VI43-300 GPR

Applications

Utilities Locating

Building

Civil Engineering

Environmental

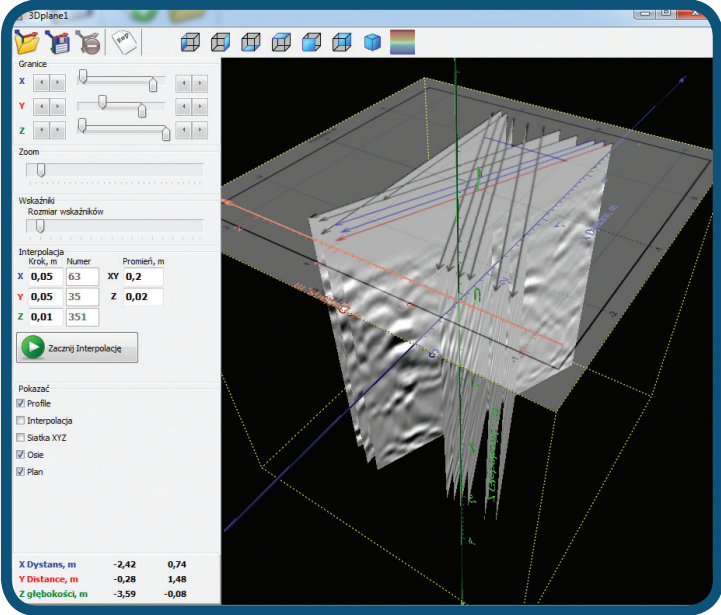
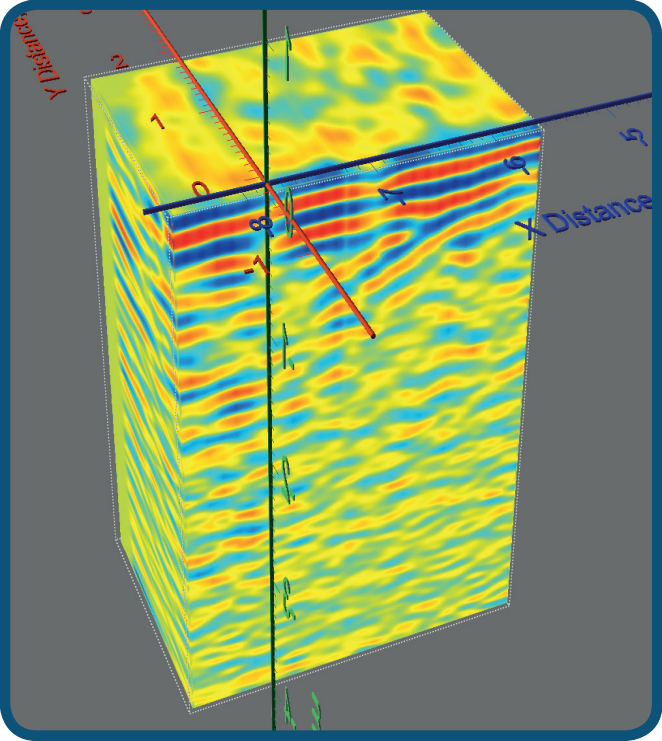
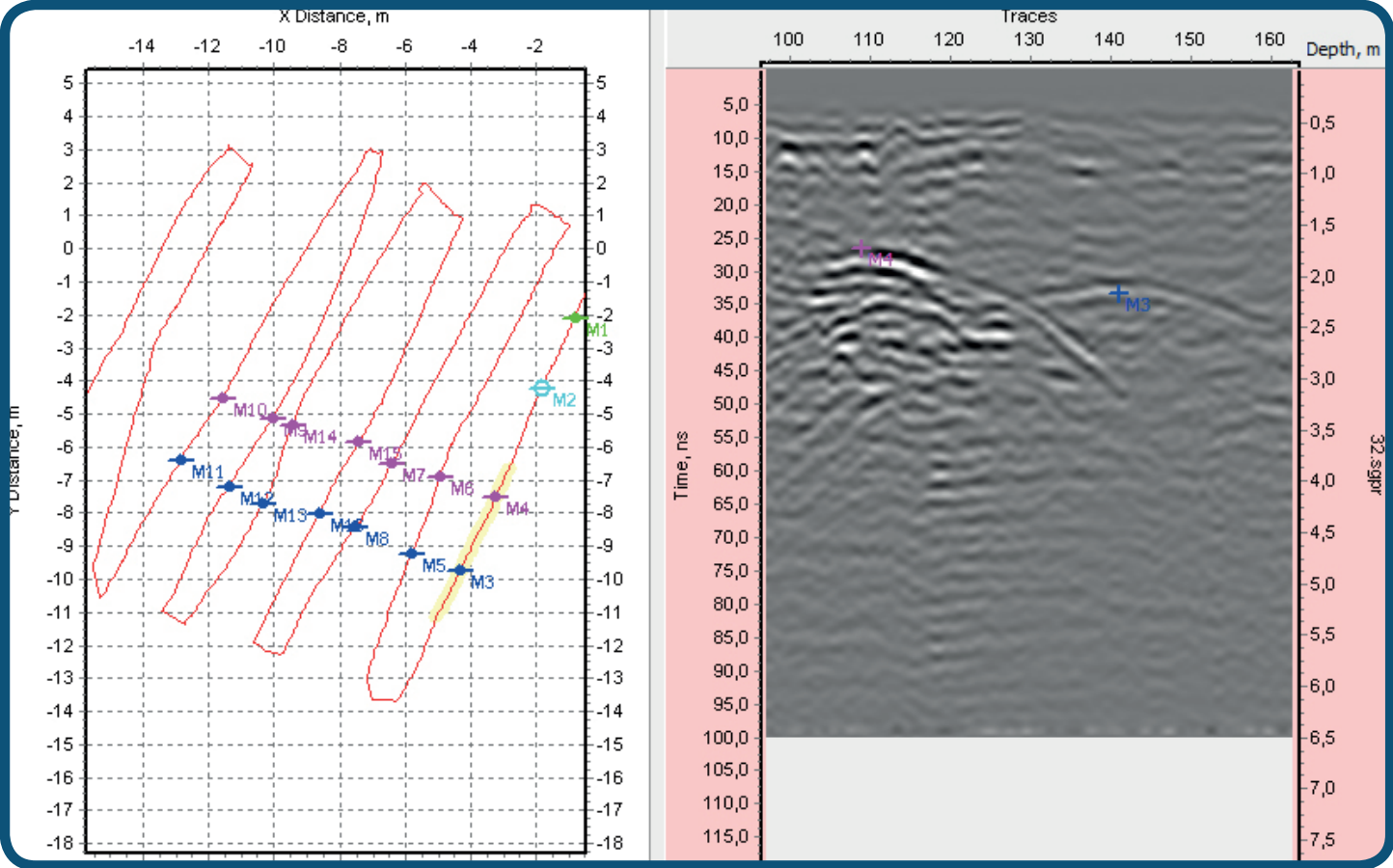
Archaeology

Roads&Bridges

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
- Direct connection of Measuring wheel and GPS to antenna unit
- No additional Control Unit.
Any Windows-based laptop can be used for working
- Antenna mounting: on Handcart Cart-46 or antenna+odometer
- All GPR components (antennas system, electronic modules, battery, etc.) are assembled in a single case
- Sealed Lead Acid Battery
- Low power consumption: not less than 8 hours of working on a single charge
- Durable antennas' fiberglass plastic body
- Replaceable antenna bottom protector while using without Handcart

VIY3-300 GPR



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