

**TRANSIENT**  
TECHNOLOGIES



**VI43-700**

**Ground Penetrating  
Radar**

**High resolution antenna:  
700 MHz**



# VIY3-700 GPR

## Specifications

● Antenna frequency	700 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	16, 24, 32, 40 ns
● Max. samples per trace	1000
● Trace stacking number (up to)	300
● Depth of sounding (up to) determined by soil properties	2.5 m
● Spatial resolution (better than)	0.12 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	325*210*156 mm
● Weight	2.5 kg
● Operating temperature range	-20°C to +40°C
● Continuous operation time (not less than)	8 hours

# VI43-700 GPR

## Applications



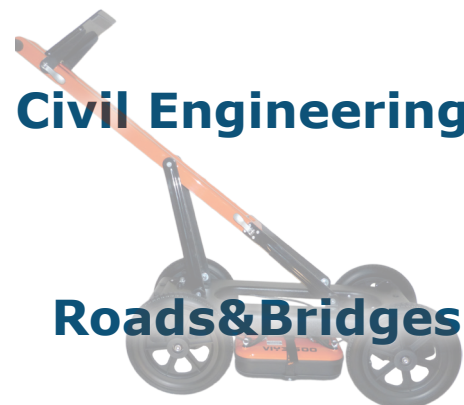
**Utilities Locating**

**Forensics**



**Building**

**Archaeology**



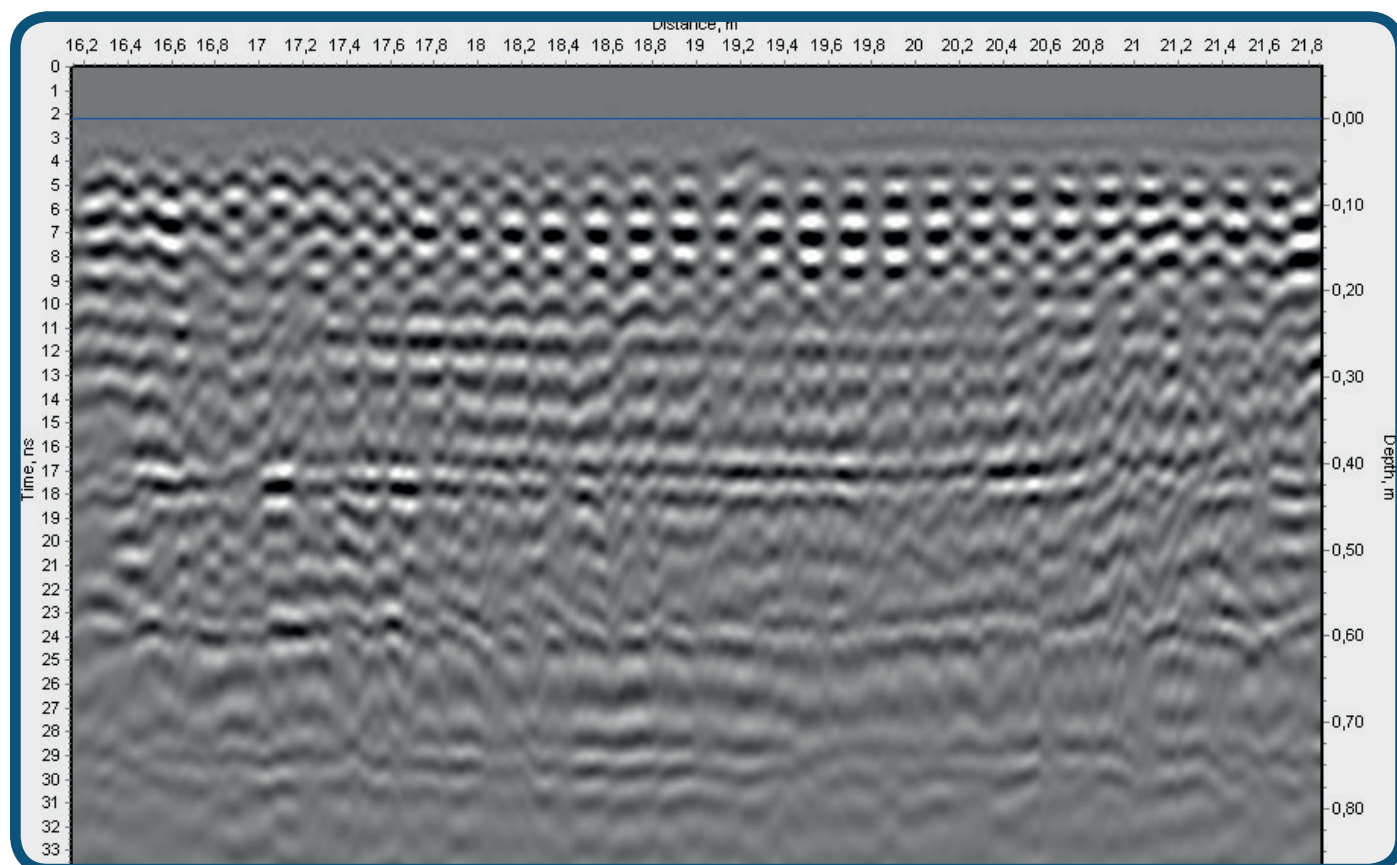
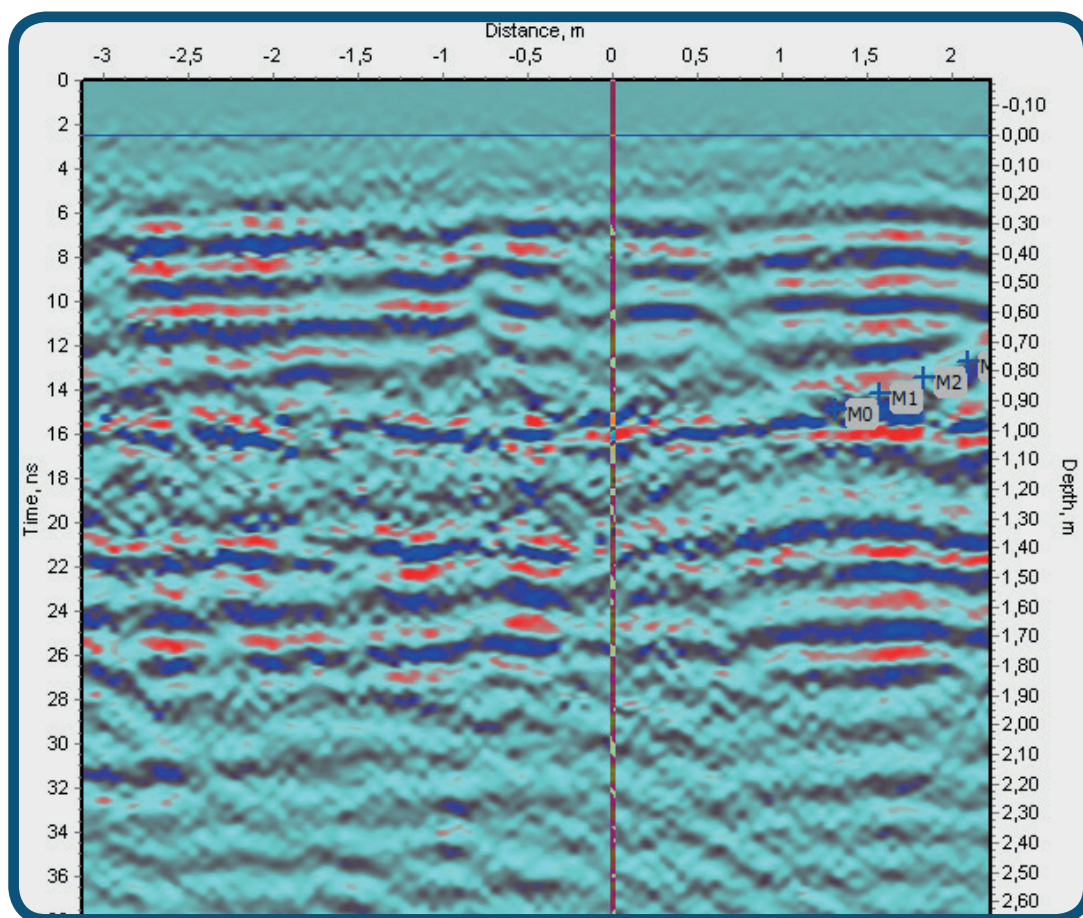
**Civil Engineering**

**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-36 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

# VIY3-700 GPR



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