

**TRANSIENT**

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

**VI45-37**

**Ground Penetrating  
Radar**

**Dual frequency:  
300 MHz & 700 MHz**



# VI45-37 GPR

## Specifications

• Antennas frequencies	300/700 MHz
• Analogue-to-Digital Converter range	18 bit
• Dynamic range (not less than)	135 dB
• Data acquisition rate (up to)	120 traces/second
• Survey window	16...40 / 66...166 ns

• Max. samples per trace	1000
• Trace stacking number	up to 300
• Depth of sounding (determined by soil properties)	up to 8 m
• Spatial resolution	<0.12 m (700 MHz) <0.3 m (300 MHz)
• Trigger mode	single, internal, external
• File size of a single profile	up to 1 000 000 traces

• Interface	USB2
• Dimensions (L x W x H) with GPR cart	940*520*350 mm
• Weight, with GPR cart	20.5 kg
• Operating temperature range	-20°C to 40°C
• Continuous operation time	not less than 8 hours
• Environmental rating	IP65

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## Applications

Geophysical

Utility Locating

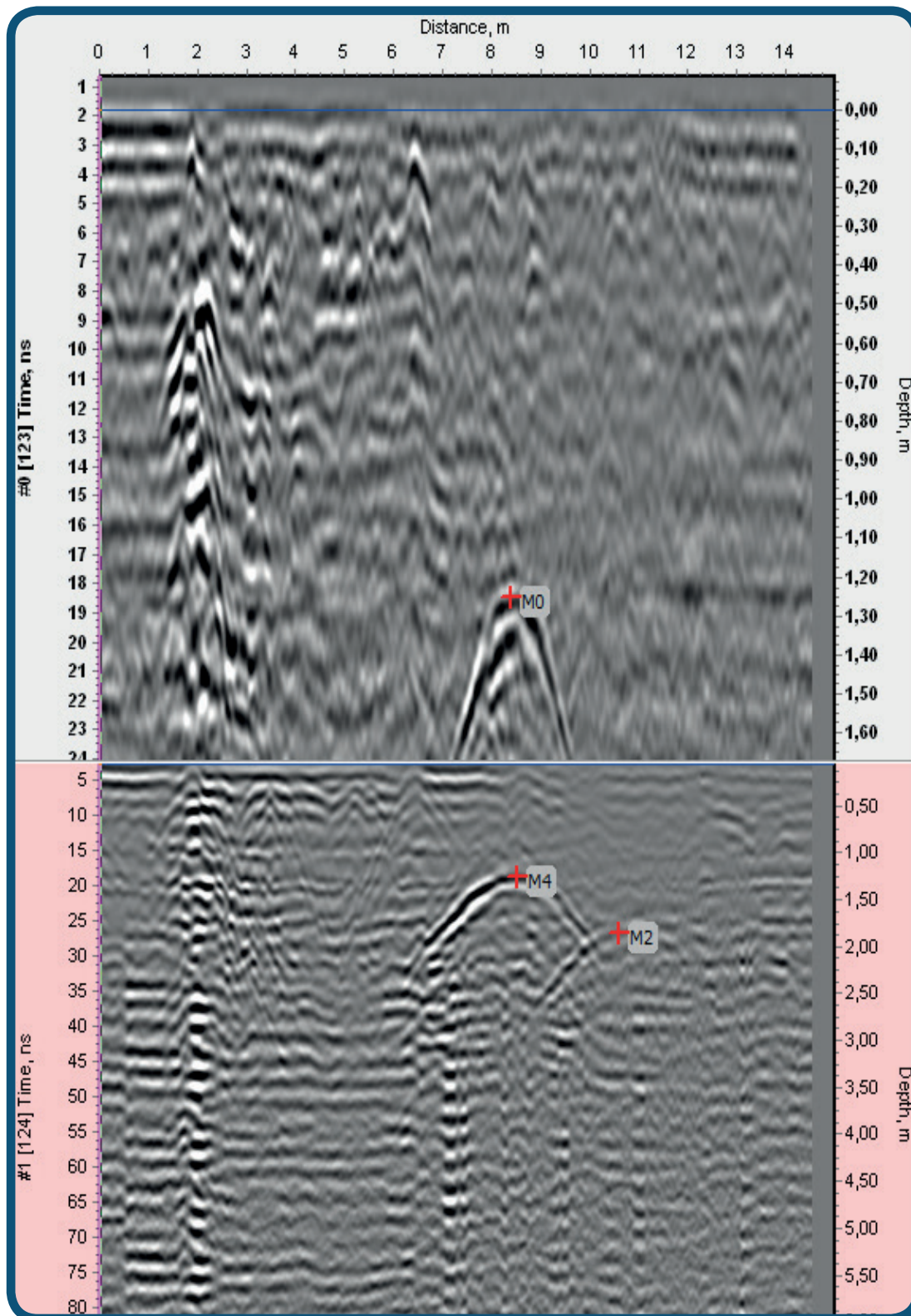
Archaeology

Forensics

## Main features

- Dual frequencies. High depth & good resolution
- 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
- 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
- Long-life sealed lead acid batteries permitted for air-carrying
- Durable antenna body made of fiberglass plastic
- Replaceable bottom protector

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