

GPR SUBvysor 1500

High frequency georadar antenna



GPR SUBvysor 1500 is suitable for concrete structure **inspection** and **searching** of both metallic and dielectric objects (cracks, voids, rebars, etc.).

With GPR SUBvysor 1500, you can quickly detect **position** and **depth** of **metallic and non-metallic objects**:

- Metal utilities, including pipes and cables;
- Non-metallic pipes, including PVC and asbestos cement ones;
- Positions of rebars;
- Moisture zones;
- Subsurface objects (voids, cracks, heterogeneous inclusions).

Applications:

- Concrete and brick structure inspection;
- Cable and pipes detection
- Examination of engineering construction (building walls and foundations, etc);
- Search for reinforcement rods in building constructions;
- Search for hidden and immured objects.

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: USB;
- No additional Control Unit. Any Windows-based laptop can be used for working;
- Antenna case: IP65 compliant;
- Not need battery, powered from computer's USB port;
- Low power consumption.



Technical features:

Antenna frequencies	1500 MHz
Analogue-to-Digital Converter range	18 bit
Dynamic range	Not less than 135 dB
Data acquisition rate	Up to 150 traces per second
Survey window	8, 12, 16, 20 nsec
Maximum number of samples per trace	1.000
Trace stacking number	Up to 300
Depth of sounding	Up to 0,5 m (determined by soil properties)
Spatial resolution	<0,03 m
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)	190x40x40 mm
Weight of antenna	0,6 kg
Operating temperature range	-20°C a 40°C
Environmental rating	IP65
Continuous operation time	Until the laptop runs out

Accessories:

The GPR SUBvysor 1500 kit includes:

- GPR SUBvysor 1500 MHz antenna with handle and telescopic rod, USB data cable for PC/tablet connection, and integrated encoder;
- GPR Logger software;
- 3D Mapper software with data export module in .dxf format (.kmz optional);
- User manual;
- Backpack;
- Portable laptop shelf: The foldable shelf is designed to be attached to the backpack, allowing a single operator to comfortably work with a laptop.

Note: The PC/Tablet is not included. All GPR SUBvysor antennas are compatible with Windows operating systems.