

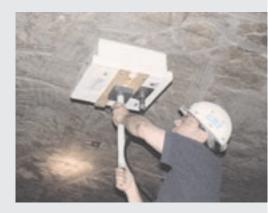
Geology and Environment

Using Ground Penetrating Radar to read the subsoil

Ground Penetrating Radar products for geology and the environment are successfully used for:

- bedrock and lithological profiling
- fracture characterization
- ground water profiling
- · searching for ore deposits
- snow/ice thickness measurements
- foundation and pile measurements
- river bed profiling

IDS offers the most compact and lightweight antennas available on the market, providing a combination of superior data quality thanks to digital electronics and careful electromagnetic design.







IDS: The leader in multi-frequency and multi-channel Ground Penetrating Radar

A comprehensive set of antennas from 25 MHz to 2000 Mhz, including borehole antennas, can satisfy all application needs.

Different survey kits (from backpack to trolleys) are available for operating in all types of environmental conditions.



Specifications

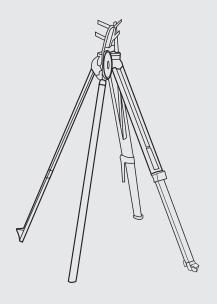
- Operating time: up to 10 hours
- Radar control unit compatible with all IDS antennas
- Max range: 9999 nsec
- Multi-channel unit capable of supporting up to 8 channels (8 Tx + 8 Rx)
- GPS Interface

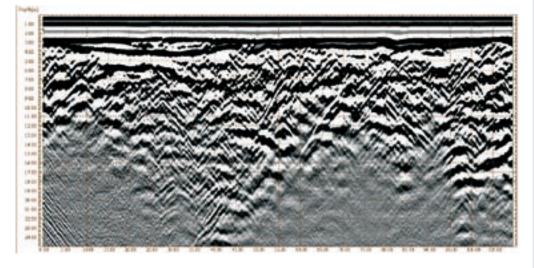


Features

- Superior soil penetration and data quality provided by digital electronics (patent pending)
- The most compact and light weight antennas on the market.
- Easy to operate, transport and stow
- Unshielded low-frequency antennas (25, 40 MHz)
- Shielded antennas from 80 to 2000 MHz

- Unique compact multi-frequency antennas combine high resolution with deep surveying
- Borehole antennas for very deep analyses
- 3D processing software, including three-dimensional data rendering (GRED 3D)
- Special 80, 100 MHz antenna with separable Tx - Rx for propagation velocity estimation







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