GeoScope™

3-Dimensional Ground Penetrating Radar

The GeoScope™ GPR is designed for high-resolution mapping using innovative radar and antenna technology.

GeoScope™ GPR Unit

The GeoScope™ uses a digitally generated step-frequency waveform which gives optimum signal quality for various applications. The electronically scanning antenna array allows rapid and accurate 3D data surveys.

The GeoScope™ is a flexible tool for applications like utility mapping, archaeological investigations, road/railway inspection, and landmine/UXO detection.

Antenna Model B2431

Specifications

Frequency range:	100 MHz - 2 GHz (3 GHz optional)
Waveform:	Step-frequency
Modes of operation:	Array scanning 3-dimensional GPR
Transmitter power:	1 mW
Antenna options:	15 - 31 element bow-tie array, 1.2 - 2.4 meter wide
System Performance:	172 dB @ 10 ms integration time, 10 dB SNR
Digitizer:	16 bit
External Control Computer:	Windows XP with Ethernet (Not included)
On board data storage:	100 Gbyte Hard Disk Drive, 1Gbit/s Ethernet output
Options:	RTK GPS or Total Station data input (serial port)
Power supply:	12V DC or 24V DC, < 80 Watts
Size & Weight (radar unit):	19" x 4U rack (400mm deep), 13 kg

3D-RADAR

...the ground is no limit

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