

GV100



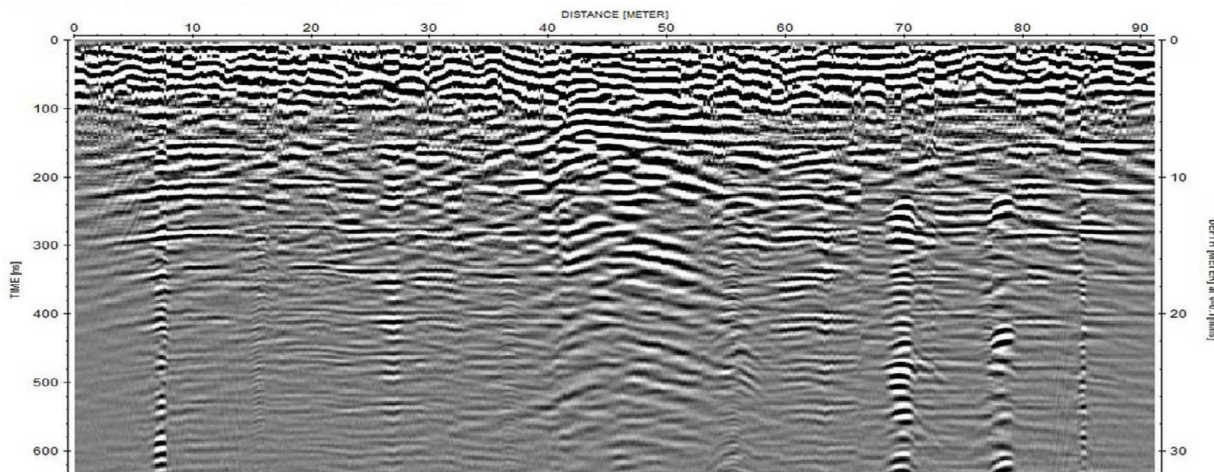
UTSI ELECTRONICS LTD

The GroundVue GV100 system comprises a shielded bistatic 100MHz central frequency antenna with integrated single channel controller and battery supply, all encased within a single strong housing.

Designed primarily for brownfield site investigations and environmental studies, the GV100 is built for rugged use yet, still remains light enough to be pulled over uneven ground by a single operative. For use on large area projects, the GV100 may also be towed by vehicle.

In continuous recording mode the GV100 will record 11 traces per second or alternatively; the system can be triggered via a trailing odometer wheel connected directly to the rear of the antenna.

Data is recorded directly onto the users Windows OS laptop/tablet via either ethernet cable or Bluetooth data link, allowing the GV100 to be deployed at distance from the operator, making the system uniquely suited to use in difficult environments. A built-in GPS chip will time stamp each trace accurately and provide a simple location means. For high accuracy positioning, an external Survey grade GPS may be connected.



The user interface of the Groundvue data acquisition software is intuitive and provides versatile display tools allowing the user to analyse data quickly and easily

GV100 data can be processed using a number of popular 3rd party software packages including ReflexW, GPR Slice, GPR Soft, Road Doctor, RGPR and Geolitix.

Performance Guide (Dry Sand)

Depth Range: 5-18 metres
Resolution: 350-500mm



Manufactured in UK

GVI 00



Technical Specification

Physical Dimensions:	L 980mm x W 1110mm x H 430mm
Weight:	21kg including skid
Antenna Type:	Bistatic Dipole
Centre Frequency :	100MHz
Timesweep (Record Length):	320ns or 640ns
Samples per Trace:	256 or 512
Digitisation:	14 bit ADC
Pulse Repetition Frequency:	390KHz
Data Bandwidth:	16 Bit
Trace Interval:	Encoder wheel driven or Continuous sampling
Max Scan Rate:	11.25Hz
Stacking:	4300
Data Format:	Utsi Electronics .dat/.hdr Radan .dzt SEG Y .sgy
Positioning:	Built-in GPS chip for timestamp and +/- 5m positioning. External Survey grade GPS can be connected for higher accuracy
Data Connection:	Wired (Ethernet) or Wireless (Bluetooth)
Power:	Internal rechargeable 6Ah Li-Ion battery providing 10+ hours continuous operation Can also run from external 12Vdc supply
Laptop/Tablet requirements:	Windows 7,8 or 10 Operating System. Bluetooth connectivity

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