



100 MHz antenna system

GROUNDVUE GPR: TECHNICAL SPECIFICATIONS

This is a monostatic screened impulse GPR system with built in controller for wireless connection to laptop / tablet.

Size: 120 x 112 x 42 cm

Weight: 21 kg plus 9 kg for sacrificial PE1000 skid

Transmitter 100MHz impulse, output voltage 50 Volts on antenna outputs
Repetition rate: 150KHz.

T/R switch with variable attenuation

Receiver Real time ADC with internal stacking for improved S/N ratio
Trace readout speed: 11Hz
Timesweep: fixed 400ns, 256 points, giving depth capability of up to 20 m.
Option with 800ns and 512 points, 40 m depth available.
Data transfer to Tablet/Laptop: Bluetooth wireless link

Battery Internal rechargeable LiIon, 6Ah giving >10 hours operation without recharge. Can also run on external 12V supply.

Laptop / Tablet Requirements: Windows 7 or 8
Bluetooth connectivity
Input for GPS via USB or RS232 com port (GPS not supplied by Utsi Electronics Ltd, as requirements are client specific, i.e. Differential or RTK GPS)

Interpretative Software: ReflexW (Sandmeier) compatible. The ReflexW package can be hired or purchased from Utsi Electronics Ltd.

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