



GROUNDVUE GPR: TECHNICAL SPECIFICATIONS

Groundvue 7

A thin inline impulse GPR pulled behind the operator for harsh environments.

Transmitter :

40MHz impulse, output voltage 100 Volts on antenna outputs

Repetition rate: 150KHz.

Battery: internal LiIon, 6Ah giving 15 hours transmit time without recharge.

Fully sealed against water and dust.

Size: 70mm diameter 420mm long.

Antennas: Resistively loaded wire dipoles attached to the transmitter module.

Length including antennas: 2m

Does not meet ETSI low power GPR licensing requirement. A “Non-Operational” licence can be applied for in the UK and Europe.

Receiver :

15dB preamplifier followed by real time 14bit ADC.

Real time stacking of 7500 traces, giving a total of 24 bits data width.

Frequency response: 10MHz to 80MHz.

Trace readout speed: 10Hz

Timesweep: fixed 1.6uS, 256 points, giving depth capability of up 80m.

Data transfer to Tablet/Laptop: WiFi wireless link

Battery: internal LiIon, 6Ah giving 20 hours receive time without recharge.

Size: 70mm diameter 420mm long.

Antennas: Resistively loaded wire dipoles attached to the transmitter module.

Length including antennas: 2m

Laptop / Tablet Requirements:

Windows 7 or 8

WiFi 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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