

GROUNDVUE GPR: TECHNICAL SPECIFICATIONS

Groundvue 6:

A high power GPR for deep layer investigations.

Transmitter:

800ns long spread spectrum output pulse with 10MHz centre frequency.

+/- 200 Volts peak on antenna outputs

Repetition rate: 78KHz.

Battery: Internal Li-Ion 11.1V 6Ah

Fully sealed against water and dust.

Does not meet ETSI low power GPR licensing requirement. A non-operational licence can be applied for in the UK and Europe.

Size: 390mm long, 75mm dia.



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

Length including antennas: c. 12Mtrs

Receiver:

15dB preamplifier followed by a real time 14bit ADC.

Real time stacking of 16000 traces.

Frequency response: 5MHz to 20MHz.

Trace readout speed: 5Hz

Timesweep: fixed 6.4uS, 256 points, giving depth capability of 300m
(depending on soil).

Data transfer to datalogger: Bluetooth wireless link

Battery: internal Li-Ion 11.1V 6Ah. Approx 20 hours use between charges.

Size: 390mm long, 75mm dia.

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

Length including antennas: c.12Mtrs

TOTAL SYSTEM LENGTH: 35Mtrs

Bluetooth Interface:

Bluetooth receiver with RS232
57.6 kbaud output to the
datalogger.

Battery: 4 X 1.5V AA Batteries.

Size: 170 * 120 *50 mm

Datalogger :

VGA sunlight readable display.
RS232 port interface. A second
RS 232 interface is fitted if GPS
is used.

