

Input power

☐☐☐® **Regulatory specifications**



Powerful and simple data collection

25m (82 feet)

Grids up to 250 x 250m in size

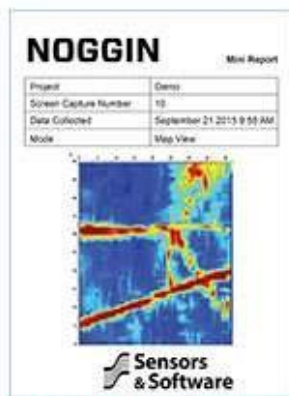
Choose the system that's right for you

		Applications	SmartCart®	SmartTow™	SmartChariot™	SmartHandle™
↑ INCREASE RESOLUTION ↓ INCREASE PENETRATION	1000	 - Pavement - Bridge deck - Concrete assessment				
	500	 - Archaeology - Forensics - Ice/snow				
	250	 - SUM/SUE - Underground storage tanks (UST) - Drainage systems				N/A
	100	 - Geologic mapping - Geotechnical applications			N/A	N/A

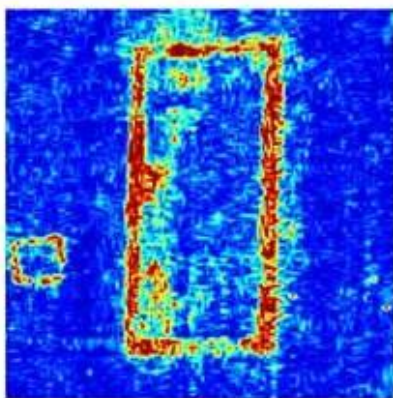
Keypad

30 x 15 x 11 cm (12 x 6 x 4.5 inches)

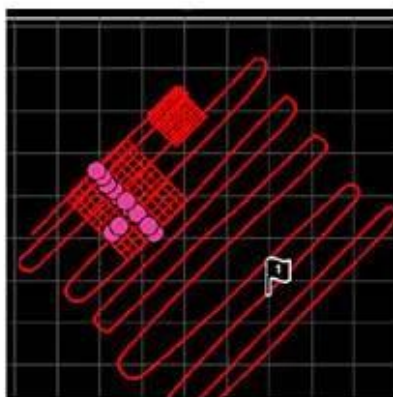




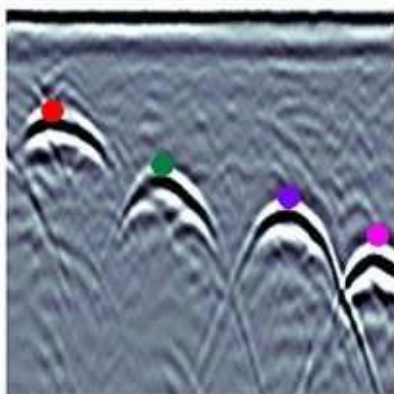
Wi-Fi Mini-reports



Depth Slicing



Map View



Field Interpretations

- Depth slice
- -6dB Bandwidth Interpretation of the field
- Additional specifications Adaptable GPR System
- 50-150MHz Maximum Points/Trace*: 5,000
- 400mA @ 12V Power: 8 watts 12V @ 0.6A DC
- Storage 100m (328 feet)
- specification 38 x 23 x 15 cm (15 x 9 x 6 inches)
- 400mA @ 12V Digital Video Logger
- port Operating temperature range: -40 to 50°C
- Ultra Wideband (UWB) GPR Antenna

91 x 76 x 17 cm (36 x 30 x 6.5 inches)

Relative Humidity Operation (No Condensation): 10-90%

Operating temperature: -50 to 50°C, environment IP65

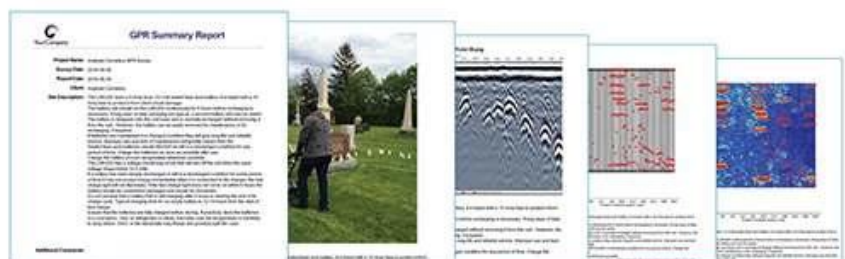
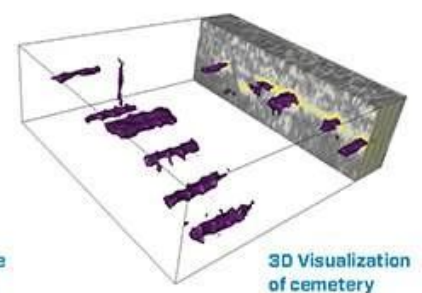
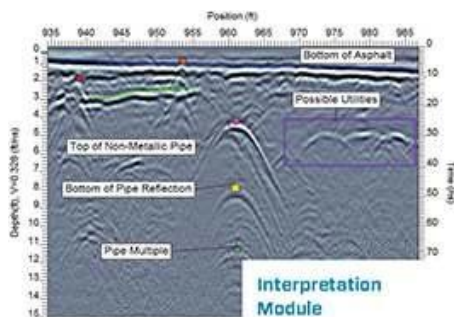
Sealed Membrane Keypad

- 3kg (6.5lbs)
- Flexible data collection
- Adjustable backlight
- Noggin® 1000
- Map View
- Maximum depth setting*

Ground-coupled focusing

240 x 240 x 68 mm (9.5 x 9.5 x 2.7 inches)

Acquisition speed*: 100,000 samples/sec



GPR Summary Report

Create reports in minutes. Easily incorporate photos, data images and insights into a PDF report with your company logo.

Front to back shield

	® 100	® 250	® 500	® 1000
	Categories	DVL500 specifications	Center frequency	Noggin® 250
	screen	size	100MHz	>20dB
	100MHz	250MHz	500MHz	1000MHz
-6dB	50 150MHz	125 375MHz	250 750MHz	500 1500MHz
Categories	250-750MHz	>20dB	>20dB	>20dB
*	values	size	250MHz	>20dB
500MHz	400mA @ 12V	Noggin®	Multilingual	wireless
	400mA @ 12V	400mA @ 12V	400mA @ 12V	400mA @ 12V

Temperature and environment

500-1500MHz

Wi-Fi Mini Report

Noggin® 500

4,000 ns @ 0.8 ns/pt

2.83kg (6.24lbs)

Power (Operating)*

Noggin® 100

63 x 41 x 23 cm (25 x 16 x 9 inches)

DVL500

Parameters	Specifications
Power	400mA @ 12V
Audio	audio
Volume	>20dB
Weight	1000 ns @ 0.2 ns/pt Integrated GNSS
Features	Radio wave detection underground radar 7.3kg (12.5lbs) 125-375MHz 11-18V, max. 4A
Design	Sturdy design
Frequency	1000MHz
Weight	2.3kg (5 lbs)
Range	200m (656 feet)
Resolution	2,000 ns @ 0.4 ns/pt
Weight	GPS/GLONASS (/ - 10m)
Specifications	9.5kg (21 lbs) Optional GPS Maximum time frame* Power consumption 50m (164 feet)
Resolution	500 ns @ 0.1 ns/pt