



## Proceq Ground Penetrating Radars **GP8100**

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Highly productive portable concrete GPR array, enabling quick object detection and superior data collection

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### **Productivity**

Boost scanning efficiency with 25cm effective scan width and 80cm penetration depth, one scan is equivalent to 6 classical line scans



### **Visualization**

Detecting objects of all sizes and marking on concrete surfaces has never been so easy and fast with the superline scan view



### **Density**

The high scan rate of 1'200 scans/s enables a very dense GPR data collection in only one superline scan, which can be visualized in 6 classical line scans



## Software / Workspace App

<b>Measurement modes</b>	Superline Scan (1000m / 3281 ft) Area Scan (with Flexible Grid up to 100m2 / 1076 ft2)
<b>Review modes</b>	Superline scan <sup>1</sup> A-scan (incl. envelope) Migrated view Non-migrated view Split view <sup>1</sup> Time-Slice view <sup>2</sup> Basic 3D view AR
<b>Advanced visualization</b>	Time-Slice view Pro 3D view Augmented Reality (AR)
<b>Reporting</b>	Workspace integration Automatic Logbook SEG-Y export Instant report generation Share via URL
<b>Export formats</b>	JPG PNG CSV SEGY HTML
<b>Display Unit Specs*:</b>	Latest Apple® iPad recommended (iPad with iOS 11.0 and higher) Screen size: From 7.9" to 12.9" Resolution: Up to 2732-by-2048 Memory: Up to 2TB Weight: Down to 301 g / 10.6 oz Camera: Up to 12MP Wide and 10MP Ultra Wide Optional: USB-C, 5G, Face ID
<b>Display Unit Sensors*:</b>	LiDAR Scanner (optional) Three-axis gyro Accelerometer Ambient light sensor Barometer Built-in GPS/GNSS

1. GP8100 only; 2. GP8000 & GP8100 only

\* Depending on iPad model



## Processing Unit / Sensor

<b>Radar technology</b>	Stepped-frequency continuous-wave (SFCW) GPR
<b>Modulated frequency range</b>	400 – 4000 MHz
<b>Penetration depth</b>	80 cm / 31.5 in
<b>Battery</b>	Flight-safe, removable pack, 8x AA (NiMH)
<b>Dimensions</b>	41.5 x 22.5 x 13.2 cm 16.3 x 8.9 x 5.2 in
<b>Weight</b>	3.0 kg / 6.6 lbs (excl. battery pack)
<b>Ground clearance</b>	0.8 cm / 0.32 in
<b>Antennas</b>	6
<b>Antenna distance to edge</b>	8.3 cm / 3.27 in
<b>Special features</b>	All-wheel drive with high-traction wheels and laser light guidance USB-C tethering to power bank
<b>Connections</b>	Wi-Fi (802.11n) to display unit USB-C for Wi-Fi restricted areas
<b>Autonomy</b>	3h (Up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)



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