



## Proceq Ground Penetrating Radars

# GP800

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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



## Proceq GPR App

### Tech Specs

|                               |   |
|-------------------------------|---|
| <b>Measurement modes</b>      | Line Scan, Superline Scan <sup>1</sup><br>Area Scan (with Flexible Grid up to 16m <sup>2</sup> / 172 ft <sup>2</sup> , or up to 100m <sup>2</sup> / 1076ft <sup>2</sup> ) <sup>1</sup> *  |
| <b>Review modes</b>           | Line scan (B-scan), Superline scan <sup>1</sup><br>A-scan (incl. envelope)<br>Migrated view<br>Non-migrated view<br>Split view <sup>1</sup><br>Time-Slice view <sup>3</sup><br>3D view<br>AR  |
| <b>Advanced visualization</b> | Time-Slice view Pro<br>3D view<br>Augmented Reality (AR)  |
| <b>Reporting</b>              | Workspace integration<br>Automatic Logbook<br>SEG-Y export<br>Instant report generation<br>Share via URL  |
| <b>Export formats</b>         | JPG<br>PNG<br>DOCX<br>SEGY<br>HTML  |
| <b>Display Unit Specs*</b>    | Latest Apple® iPad recommended<br>(iPad with iOS 13.6 and higher)<br>Screen size: From 7.9" to 12.9"<br>Resolution: Up to 2732-by-2048<br>Memory: Up to 2TB<br>Weight: Down to 301 g / 10.6 oz<br>Camera: Up to 12MP Wide and 10MP Ultra Wide<br>Optional: USB-C, 5G, Face ID |
| <b>Display Unit Sensors*</b>  | LiDAR Scanner (optional)<br>Three-axis gyro<br>Accelerometer<br>Ambient light sensor<br>Barometer<br>Built-in GPS/GNSS  |

[Proceq GPR App | Info & compatibility](#)

1. GP8100 only; 2. GP8000 & GP8800 only; 3. GP8000 & GP8100 only

\* Depending on iPad model



## Instrument

### Tech Specs

|                                  |   |
|----------------------------------|---|
| <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<br>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<br>USB-C tethering to power bank |
| <b>Connections</b>               | Wi-Fi (802.11n) to display unit<br>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)                           |



## Our Accessories

| Image   | PartNumber | Description   |
|---|------------|---|
|  | 79330235   | Universal tablet holder for direct mounting on Proceq GPR 8000/8100 and Pundit PD8050...      |
|  | 39380010   | Telescopic rod kit for Proceq GPR instruments including the universal tablet holder UTH100... |
|  | 79330345   | Chest harness kit for hands free operation of all iPad app based instruments:...              |
|  | 91011110   | Durable carry strap   |

| Standards & Guidelines | Description |
|------------------------|-------------|
| ACI 228.2R.98          |             |
| ASTM D4748-10          |             |
| ASTM D6087-08          |             |
| ASTM D6432-11          |             |
| EN 302066 - ETSI       |             |
| NCHRP Synesis 255      |             |
| SHRP H-672             |             |
| SHRP S-300             |             |
| SHRP S-325             |             |

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