

GP8000



GP8800

Proceq Concrete GPR









Proceq Ground Penetrating Radars Selection Guide | Concrete GPR

Model No	GP8000	GP8100	GP8800	
Measurement Modes	Superline Scan (1000m / 3281ft)			
	Area Scan (with Flexible Grid up to 100m2 / 1076ft2)			
	Superline scan			
	A-scan (Incl. envelope)			
	Migrated view			
Review modes				
	Time-Slice view Basic			
	3D view			
	AR			
	Time-Slice view Pro			
Advanced visualization		3D view		
		Augmented Reality (AR)		
	Workspace integration			
		Automatic Logbook		
		SEG-Y export		
		Sharo via LIRI		
Export formats				
	Latest Apple® iPad (recommended) to be procured separately			
	(iPad with jOS 11.0 and higher)			
		Screen size: From 7.9" to 12.9"		
		Resolution: Up to 2732-by-2048		
Display Unit Specs*		Memory: Up to 2TB		
		Weight: Down to 301g / 10.6 oz		
	Camera: Up to 12MP Wide and 10MP Ultra Wide			
		Optional: USB-C, 5G, Face ID		
	Built-in GPS/GNSS			
Display Unit Sensors*	Ambient light sensor			
	Barometer			
	LiDAR Scanner (optional)			
Radar technology	Stepped-frequency continuous-wave (SFCW) GPR			
Modulated frequency range	400 – 4000 MHZ 400 – 6000 MHZ		400 – 6000 MHZ	
Penetration depth	80 cm / 31.5 in		65 cm / 25.6 in	
Battery	Flight-safe, removable pack, 8x AA (NiMH)			
Dimensions	41.5 x 22.5 x 13.2 cm 8.9 x 8.9 x 7		8.9 x 8.9 x 7.6 cm	
Ground clearance	0.8 cm / 0.32 in		0cm	
No. of antennas	1	6	1	
Weight	1.5 kg (excl. battery pack)	3.0 kg (excl. battery pack)	487g (excl. battery pack)	
Connections	Wi-Fi (802.11n) to display unit	Wi-Fi (802.11n) to display unit,	Wi-Fi (802.11n) to display unit	
		USB-C for Wi-Fi restricted areas		
	3h	3h (Up to 8 hours with off-the-shelf	2.5h (up to 8 hours with off-the-	
Autonomy		10'000mAh power bank,	shelf 10'000mAh power bank,	
		high-traction wheels	N/ireless wheel reconfigurable at	
Special features	An-wheel unverwich high-traction wheels		any time without tools	
	Laser light guidance		Cross-polarization (trailing and side-car configurations)	
	-	USB-C tethering to power bank	USB-C tethering to battery pack/ power bank	





Faster, easier concrete inspections and structural imaging with SFCW ground penetrating radar technology



Resolution & depth

Superior depth and clarity of data thanks to the unique Swiss Made radar technology with all the frequencies you'll ever need. Immediate insights with 3D and Augmented Reality.

Powerful UI

Inspect with ease of use, from the tightest spots to the tallest walls to the longest streets. Superior ergonomics to tackle any challenge with comfort, without cables.

Great handling

Mobile app that lets you annotate measurements with voice, photos and comments. Generate reports and share them instantly. Access your data from anywhere, anytime.

The Proceq GP8000 GPR is ideal for easy concrete inspection & structural imaging including locating of rebar & live wires prior coring or cutting, locating post tension cables, & investigation of large concrete structures based on the **area scan upto 100 Sq meters.**

Proceq GP8000 GPR is designed to provide outstanding structural building assessment based on a compact wireless 4-wheel car to perform structural imaging of rebar.

Based on unique **stepped frequency continuous-wave(SFCW) technology**, The Proceq concrete GPR delivers widest frequency spectrum covering all application & allows detection of objects from shallow to deep depth in one scan.

Offering **penetration depth upto 80cm** in concrete, GP8000 Concrete Scanning GPR provides superior clarity of data.

The advanced visualization feature enables Immediate insights with **3D and Augmented Reality.**

The **ground penetrating radar** has cloud storage for GPR measurements & post-processing of SEG-Y files export data. Integrated with Mobile App that lets you annotate measurements with voice, photos and comments. The **handheld SFCW GPR** allow operator to generate reports and share them instantly. Access your data from anywhere, anytime.





Features :

- Unparalleled penetration depth and resolution in a single GPR probe
- Powerful, user-friendly user interface for faster, easier concrete assessment
- Great handling and ergonomics in all applications



Specifications :

Software / Workspace App			
Measurement Modes	Superline Scan (1000m / 3281 ft) Area Scan (with Flexible Grid up to 100m2 / 1076 ft2)		
Review modes	Superline scan A-scan (incl. envelope) Migrated view		
Advanced visualization	Time-Slice view Pro 3D view Augmented Reality (AR)		
	Workspace integration		
Reporting	SEG-V export		
Reporting	Instant report generation		
	Share via URL		
Export formats	JPG PNG CSV SEGY HTML		
	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		
Display Unit Specs*	Memory: Up to 21B		
	Camera: Un to 12MP Wide and 10MP Ultra Wide		
	Optional: USB-C, 5G, Face ID		
	Built-in GPS/GNSS		
	Three-axis gyro		
	Accelerometer		
Display Unit Sensors*	Ambient light sensor		
	LiDAR Scapper (optional)		
Sensor			
Radar technology	Stepped-frequency continuous-wave (SECW) GPR		
Modulated frequency range	200 – 4000 MHZ		
Penetration depth	80 cm / 31.5 in		
Battery	Flight-safe, removable pack, 8x AA (NiMH)		
Dimensions	22.1 x 18 x 14 cm		
Weight	1.5 kg / 3.3 lbs (excl. battery pack)		
Ground clearance	0.8 cm / 0.32 in		
No. of antennas	1		
Antenna distance to edge	8.3 cm / 3.27 in		
Special features	All-wheel drive with high-traction wheels Laser light guidance		
Connections	Wi-Fi (802.11n) to display unit		
Autonomy	3 h		



Wide Array Concrete GPR | GP8100



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



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/senables a very dense GPR data collection in only one superline scan, which can be visualized in 6 classical line scans

GP8100 is a **wide scan width** Concrete GPR from Proceq Ground Penetrating Radar series. Enabled with Quick object detection it is based on an array of **6 antennas providing a 25cms effective scan width and an effective top class penetration depth upto 80cm.**

The Portable concrete GPR array offers supreme data clarity as it detects objects of all sizes & marks on concrete surface with ease. The superline scan visualization instantly displays the output in never seen clarity. The high scan rate of 1200 scans/s enables a very dense GPR data collection in only one superline scan, which is equivalent to 6 classical line scans.

The Proceq GP8100 GPR comes with **stepped frequency continuous wave (SFCW) technology** which has the advantage to broadcast an ultra-wide-band range of modulated frequencies. All frequency responses get combined & enables detection of objects from shallow to deep depth in one scan.

The stand out feature of the GPR is different review modes & advance visualization with the help of post processing software; From Superline, split review modes to **3D & AR (Augmented Reality)** advance visualization, the Proceq GP8100 is ideal for fast scanning of large concrete structures for condition assessment or rebar detection.

The GP8100 **Concrete Scanning GPR** offers large data collection through **cloud storage & allow instant report generation** to share the report as quickly as possible via url.



Wide Array Concrete GPR | GP8100



Features :

- Large scan width
- High scan rate of 1200 Scans/sec
- Best-in-class penetration depth upto 80cm.
- Fast detection of objects of any size with the superline scan view
- Dense, accurate GPR data collection in one superline scan



Specifications :

Measurement Modes Superline Scan (1000m / 3281 ft) Area Scan (wich Flexble Grid up to 100m2 / 1076 ft2) Review modes Superline scan [Area Scan (wich Flexble Grid up to 100m2 / 1076 ft2) Review modes Non-migrated view [Split view] Time-Slice view 2 Basic] 3D view AR Advanced visualization Time-Slice view Pro] 3D view Augmented Reality (AR) Reporting Superline Scan (Incl. envelope) Migrated view AR Bisplay Unit Specs* Superline Scan (Incl. envelope) Migrated view AR Display Unit Specs* JPG PNG CSV SEGY HTML Bisplay Unit Sensors* Camera: Up to 12MP view view 108 11.0 and higher) Screen size: From 7.9* to 12.9* Resolution: Up to 273 by 2048 Display Unit Sensors* Built-in GPS/GNSS Three-asis gyro Accelerometer LiDAR Scanner (optional) Secon Barometer LiDAR Scanner (optional) Sensor Resolution: Up to 315 in Battery Genetasia (Sore 10.0000 MHZ Weight	Software / Workspace App				
Review modesSuperine scan' A-scan (incl. envelope) Migrated viewAdvanced visualizationTime-Slice view' Saic 3D view ARAdvanced visualizationTime-Slice view Pro 3D view Augmented Reality (AR)ReportingWorkspace integration Automatic Logbook SEG-Y export Instant report generation Share via URLExport formatsJPG PNG CSV SEGY HTMLExport formatsJPG PNG CSV SEGY HTMLDisplay Unit Specs*Screen size: From 7.9" to 12.9" Resolution: Up to 2732-by-2048 Memory: Up to 2748 Memory: Up to 274	Measurement Modes	Superline Scan (1000m / 3281 ft) Area Scan (with Flexible Grid up to 100m2 / 1076 ft2)			
Advanced visualization Time-Slice view Pro [3D view [Augmented Reality (AR) Reporting Workspace integration Automatic Logbook SEG-Y export Export formats JPG [PNG [CSV] SEG [HTML Export formats JPG [PNG [CSV] SEG [HTML Display Unit Specs* Latest Apple® iPad recommended (iPad with iOS 11.0 and higher) Screen size: From 7.9" to 12.9" Resolution: Up to 278 Display Unit Specs* Memory: Up to 278 Built-in GPS/GNS Memory: Up to 278 Built-in GPS/GNS Three-axis gyro Accelerometer Display Unit Sensors* Built-in GPS/GNS Barometer LiDAR Scanner (optional) Sensor Adouted frequency continuous-wave (SFCW) GPR Modulated frequency range 400 – 4000 MHZ Penetration depth Go 20 (S cm 7.31 in Battery Flight-safe, removable pack, 8x AA (NiMH) Dimensions 4.1 5 x 22.5 x 13 cm Weight Go 3.0 kg / 6.6 lbs (sext.) battery pack) Ground clearance 0.8 cm / 0.32 in No. of antennas 6 Antenna distance to edge All-wheel drive with high-traction wheels and laser light guidance USB-C tethering to power bank. Connections All-wheel drive with high-traction wheels and laser light guidance	Review modes	Superline scan ¹ A-scan (incl. envelope) Migrated view Non-migrated view Split view ¹ Time-Slice view ² Basic 3D view AR			
Reporting Workspace integration Automatic Logbook SEG-Y export Instant report generation Share via URL Export formats JPG PNG CSV SEGY HTML Export formats JPG PNG CSV SEGY HTML Export formats JPG PNG CSV SEGY HTML Display Unit Specs* Latest Apple® iPad recommended (Pad with IOS 11.0 and higher) Screen size: From 7.9" to 12.9" Resolution: Up to 2732-by-2048 Memory: Up to 2732-by-2048 Display Unit Specs* Memory: Up to 1278 Built-in CPS/GNSS Three-axis gyro Accelerometer Built-in GPS/GNSS Display Unit Sensors* Built-in GPS/GNSS Three-axis gyro Accelerometer Basor Built-in GPS/GNSS Radar technology Stepped-frequency continuous-ware (SFCW) GPR Modulated frequency range 400 – 4000 MHZ Penetration depth 80 cm / 31.5 in Battery Flight-safe, removable pack, 8X AA (NIMH) Dimensions 41.5 x 22.5 x 13.2 cm Weight 3.0 k gr / 6.1 bs (excl. battery pack) Ground clearance 0.8 cm / 0.32 in No. of antennas 6 Antenna distance to edge 8.3 cm / 3.27 in Special features All-wheel drive with high-traction wheres and laser light guidance	Advanced visualization	Time-Slice view Pro 3D view Augmented Reality (AR)			
Export formatsJPG [PNG [2V] SEGY]HTMLLatest Apple® iPad recommended (iPad with iOS 11.0 and higher) Screen size: From 7.9" to 12.9" Resolution: Up to 2732-by-2048Display Unit Specs*Memory: Up to 2732-by-2048 Memory: Up to 2718 Weight: Down to 301 g / 10.6 oz Camera: Up to 12MP Wide and 10MP Ultra Wide Optional: USB-C, SG, Face IDDisplay Unit Sensors*Built-in GPS/GNSS Three-axis gyro Accelerometer Barometer LiDAR Scanner (optional)SensorStepped-frequency continuous-wave (SFCW) GPRModulated frequency range400 - 4000 MHZPenetration depth80 cm / 31.5 inBatteryFlight-safe, removable pack, 8x AA (NiMH)Dimensions41.5 x 22.5 x 13.2 cmWeight0.0 kg / 6.6 lbs (excl. battery pack)Ground clearance0.8 cm / 3.27 inSpecial featuresAll-wheel drive with high-traction wheels and laser light guidance USB-C tethering to power bank.ConnectionsWi-Fi (802.11) nt display unit USB-C for Wi-Fi restricted areasAutonomy3h (Up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)	Reporting	Workspace integration Automatic Logbook SEG-Y export Instant report generation Share via URL			
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Built-in GPS/GNSS Three-axis gyro Accelerometer Ambient light sensor Barometer LiDAR Scanner (optional)SensorRadar technologyStepped-frequency continuous-wave (SFCW) GPRModulated frequency range400 – 4000 MHZPenetration depth6Battery13.5 inBattery3.0 kg / 6.6 lbs (excl. battery pack)Weight3.0 kg / 6.6 lbs (excl. battery pack)Kondu clearance6Antenna distance to edge3.3 cm / 3.2 rinSpecial featuresAll-wheel drive with high-traction wheels and laser light guidance USB-C tethering to power bankConnectionsWi-Fi (802.11n) to display unit USB-C for Wi-Fi restricted areasAutonomy3h (Up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)	Display Unit Specs*	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			
SensorRadar technologyStepped-frequency continuous-wave (SFCW) GPRModulated frequency range400 – 4000 MHZPenetration depth80 cm / 31.5 inBatteryImmediate of the step of t	Display Unit Sensors*	Built-in GPS/GNSS Three-axis gyro Accelerometer Ambient light sensor Barometer LiDAR Scanner (optional)			
Radar technologyStepped-frequency continuous-wave (SFCW) GPRModulated frequency rangeConnectionsPenetration depthConnectionsBatteryConnectionsBatteryConnectionsMeightConnectionsSpecial featuresAll-wheel drive with high-traction wheels and laser light guidance USB-C tethering to power bankAutonomySh (Up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)	Sensor				
Modulated frequency range400 – 4000 MHZPenetration depth80 cm / 31.5 inBatteryFlight-safe, removable pack, 8x AA (NiMH)Dimensions41.5 x 22.5 x 13.2 cmWeight3.0 kg / 6.6 lbs (excl. battery pack)Ground clearance0.8 cm / 0.32 inNo. of antennas6Antenna distance to edge8.3 cm / 3.27 inSpecial featuresAll-wheel drive with high-traction wheels and laser light guidance USB-C tethering to power bankConnectionsWi-Fi (802.11n) to display unit USB-C for Wi-Fi restricted areasAutonomy3h (Up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)	Radar technology	Stepped-frequency continuous-wave (SFCW) GPR			
Penetration depth80 cm / 31.5 inBatteryFlight-safe, removable pack, 8x AA (NiMH)Dimensions41.5 x 22.5 x 13.2 cmWeight3.0 kg / 6.6 lbs (excl. battery pack)Ground clearance0.8 cm / 0.32 inNo. of antennas6Antenna distance to edge8.3 cm / 3.27 inSpecial featuresAll-wheel drive with high-traction wheels and laser light guidance USB-C tethering to power bankConnectionsWi-Fi (802.11n) to display unit USB-C for Wi-Fi restricted areasAutonomy3h (Up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)	Modulated frequency range	400 – 4000 MHZ			
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Antenna distance to edge8.3 cm / 3.27 inSpecial featuresAll-wheel drive with high-traction wheels and laser light guidance USB-C tethering to power bankConnectionsWi-Fi (802.11n) to display unit USB-C for Wi-Fi restricted areasAutonomy3h (Up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)	No. of antennas	6			
Special features All-wheel drive with high-traction wheels and laser light guidance USB-C tethering to power bank Connections Wi-Fi (802.11n) to display unit USB-C for Wi-Fi restricted areas Autonomy 3h (Up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)	Antenna distance to edge	8.3 cm / 3.27 in			
ConnectionsWi-Fi (802.11n) to display unit USB-C for Wi-Fi restricted areasAutonomy3h (Up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)	Special features	All-wheel drive with high-traction wheels and laser light guidance USB-C tethering to power bank			
Autonomy3h (Up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)	Connections	Wi-Fi (802.11n) to display unit USB-C for Wi-Fi restricted areas			
	Autonomy	3h (Up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)			





Concrete inspections and structural imaging with SFCW ground penetrating radar technology now fits at the palm of your hand



Performance

Superior depth and clarity of data thanks to the unique Swiss Made radar technology with all the frequencies you'll ever need. Immediate insights with 3D and Augmented Reality.

Versatility

Inspect with ease of use, from the tightest spots to the tallest walls to the longest streets. Superior ergonomics to tackle any challenge with comfort, without cables.

Productivity

A mobile app that lets you annotate measurements with voice, photos and comments. Generate reports and share them instantly. Access your data from anywhere, anytime.

GP8800 GPR is an **ultra-compact ground penetrating radar (GPR)** system based on the Proceq SFCW radar technology that fits at the palm of your hand, for locating rebars, post tension cables & other elements in concrete structures.

Due to its compact design, **GP8800 Concrete GPR** is a preferred choice for **congested** areas close to walls & underneath / Irregular and curved surfaces, for locating rebars, pipes etc in concrete structures.

Based on **stepped frequency continuous wave (SFCW) radar technology**, The handheld GPR delivers an ultra-wide band range of modulated frequencies upto 6000 MHz & allows detection of objects from shallow to deeper depth in one scan.

Deeper **penetration depth is upto 65 cm in dry concrete**, The GP8800 Concrete Scanning GPR Offers advanced visualization feature for Immediate insights with **3D and Augmented Reality**.

The GP8800 Palm Sized GPR is ideal for concrete inspection & structural imaging, providing continuous line scans upto 1000 meters requiring no image stitching at a price point, similar to high end rebar locators.

The ground penetrating radar has **cloud storage for GPR measurements & post-processing of SEG-Y files exported data**. Integrated with Mobile App that let a user annotate measurements with voice, photos and comments. The handheld SFCW GPR allow operator to generate reports and share them instantly. Access your data from anywhere, anytime.



Mini Concrete GPR | GP8800



- Superior insights from unparalleled depth and clarity of data from the powerful probe
- Easy to learn and to operate with a user-friendly, feature-rich, intelligent software
- Unmatched productivity through user-centric inspection ergonomics and digital workflow

Specifications :

Software / Workspace App				
Measurement Modes	Superline Scan (1000m / 3281 ft) Area Scan (with Flexible Grid up to 100m2 / 1076 ft2)			
Review modes	Superline scan ¹ A-scan (incl. envelope) Migrated view Non-migrated view Split view ¹ Time-Slice view ² Basic 3D view AR			
Advanced visualization	Time-Slice view Pro 3D view Augmented Reality (AR)			
Reporting	Workspace integration Automatic Logbook SEG-Y export Instant report generation Share via URL			
Export formats	JPG PNG CSV SEGY HTML			
Display Unit Specs*	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			
Display Unit Sensors*	Built-in GPS/GNSS Three-axis gyro Accelerometer Ambient light sensor Barometer LiDAR Scanner (optional)			
Sensor				
Radar technology	Stepped-frequency continuous-wave (SFCW) GPR			
Modulated frequency range	400 – 6000 MHZ			
Penetration depth	65 cm / 25.6 in			
Battery	Flight-safe, removable pack, 4x AA (NiMH)			
Dimensions	8.9 x 8.9 x 7.6 cm			
Weight	487 g / 17.2 oz (excl. battery pack)			
Ground clearance	0 cm			
No. of antennas	1			
Antenna distance to edge	4.5 cm / 1.77 in			
Special features	Wireless wheel, reconfigurable at any time without tools. Cross-polarization (trailing and side-car configurations) USB-C tethering to battery pack/power bank			
Connections	WiFi (802.11n) and USBC to display unit			
Autonomy	2.5 h (up to 8 hours with off-the-shelf 10'000 mAh power bank, not included)			

STANLAY[™]

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