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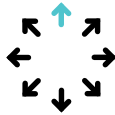
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<https://proceq.nt-rt.ru> || pqo@nt-rt.ru



Subsurface Mapping GPR GS8000

The most efficient real-time workflow and technology to scan and digitize the subsurface



Versatility

No methodology constraints and real time 2D & 3D data visualization of the scanned subsurface, for an optimal interpretation on site, no matter the application.



Accuracy & Resolution

Superior clarity of data at different depths thanks to the unique Swiss Made ultra-wideband radar technology, with high-accuracy geolocation in local coordinates.



User Experience

End-to-end workflows, all the way from the most intuitive data acquisition to instantly shareable deliverables. Access your data from anywhere, anytime.



Measurements modes	Line Scan
	Grid Scan
	Free Path
Visualization modes	A-scan
	Line Scan
	Line Scan migrated
	Time Slice View
	Map View
On-site annotations	Augmented Reality
	Tags
	Markers
	Photos
	Points of interest
	Voice notes
Display settings	Markup
	Linework
	Slice depth and thickness
	Auto / linear / time gain
	Background removal
	Multi-layer dielectric constant
	Time window
	Noise cancellation filter
	Frequency filter
	Low pass filter
Reporting	Color palette
	Object layers
	Workspace integration
	Automatic logbook
	Instant map / drawing generation
Export format	Instant report generation
	Share via url
	SEG-Y
	DXF
	SHP
Coordinate System	KML
	HTML
	EPSG global database
Languages	Local grid models
	Geoid models
	English
	Spanish
	French
	German
Display unit	Italian
	Chinese
	Any iPad® or iPad Pro® 1
	Recommended: iPad Pro WiFi + Cellular
	Screen resolution: up to 2732 x 2048 pixels
	Storage capacity: up to 1 TB

iPad is a trademark of Apple Inc.; iOS is a registered trademark of Cisco in the US and is used by Apple under license

Radar technology	Stepped-frequency Continuous-Wave GPR
Modulated frequency range	40 – 3440 MHz 2
Effective bandwidth	3200 MHz 3
Min. detectable target size	1 cm 0.4 in 4
Max. depth penetration	10 m 33 ft 5
Scan rate	500 Hz
Spatial interval	Up to 100 scans/m
Acquisition speed	Up to 80 Km/h 50 mph 6
GNSS receiver	Multiband GPS + Glonass + Galileo + Beidou SSR augmentation 7 / RTK-compatible Dimensions: 145 x 145 x 70 mm Weight: 0.7 Kg, 4x AA-batteries included
GNSS real-time 3D accuracy	Typ. 1 - 5 cm 0.5 - 2 in 8
GNSS initialization time	Typ. 5 - 30 s
Wheel encoders	2
Configurations	Proceq GS8000 Proceq GS8000 Pro 9
Weight	24 Kg10
Dimensions	61 x 57 x 38 cm11
Antenna positions	Ground-coupled with dual-axis floating Air-coupled with 25 mm clearance 12
Ingress protection (IP) / sealing	IP65
Power supply	Removable flight-safe battery pack 13 Off-the-shelf power bank 14
Autonomy	3.5 hours Full working day 15
Operating temperature	-10° to 50°C 14° to 122° F
Operating humidity	<95% RH, non-condensing
Connectivity	WiFi, Ethernet, USB-A, USB-B, USB-C, Lemo16

- Running an up-to-date iOS version; recommended models: iPad Pro® WiFi + Cellular 11" or 12.9"
- For USA & Canada: 200 - 3440 MHz
- For USA & Canada: 3000 MHz
- Metallic object buried at 0.3 m / 1 ft, in average soil conditions
- Depending on soil conditions, typ. 6 m / 20 ft in average soil conditions. For USA & Canada: 12 ft in average soil conditions
- At 50 mm scan interval. For USA & Canada: Up to 35 km/h / 22 mph
- Needs an active Internet connection on the iPad; SSR service available in Europe & USA / RTK corrections via NTRIP in RTCM3 format
- Via NTRIP RTK or SSR corrections; the achieved accuracy is subject to atmospheric conditions, satellite geometry, observation time, etc.
- GS8000 Pro includes additionally: off-road wheels and underbody, GNSS pole fixation kit, tablet cover for sun and rain, hard transportation case
- For GS8000 Pro configuration: 27 Kg
- For GS8000 Pro configuration: 68 x 60 x 42 cm
- For GS8000 Pro configuration: 40 mm
- Contains 8x rechargeable C-Type NiMH batteries
- USB-C PD power bank with max. dimensions: W 85mm x H 28mm (recommended)

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