

geosight

GSM-200



65mm DIAMETER

Fits in standard NQ, HQ drill holes or any 3" borehole

SELF ORIENTING

Maintains scanner orientation and positional accuracy using IMU technology and dead reckoning.

ROBUST DESIGN

Designed to meet IP67 Rating

LiDAR SCANNER

Scan up to 200 m in a single pass, faster and accurately

LIVE VIDEO

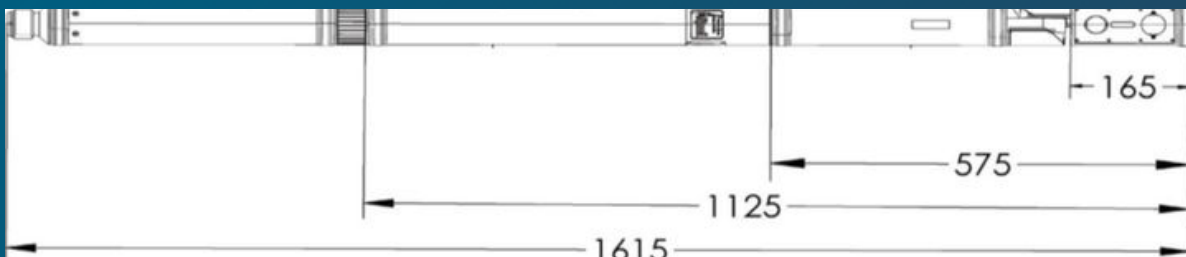
See it all live as the scanner is deployed

STANDARD OUTPUT

Easily export to DXF or Point Cloud

EASY DEPLOYMENT

Lower with a small motorised winch or push upward with solid fiberglass rodder



Contact Us

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GeoSight **GSM-200**

PERFORMANCE	
Data acquisition time	8 min standard scan, low resolution
Real time registration	Automatic point cloud data
Infilling	low, medium, high resolution options
PHYSICAL DATA	
Housing	Anodised aluminium frame with stainless steel wear rings
Dimensions Scanner (no extension)	65 mm (diameter) x 1600 mm
Scanner (with extension)	65 mm (diameter) x 2490 mm
Control box	330 mm x 300 mm x 150 mm
Weight Scanner (no extension)	9.3 kg
Scanner (with extension)	12.0 kg
Control box (with batteries)	4.0 kg
Operating Temperature Range	-30° to +85°C
Water and Dust	Designed to meet IP67
POWER	
Battery (in control box)	2 x 20 V MAX Dewalt™ rechargeable Li-Ion batteries
Field changeable	Yes (2 batteries supplied per system)
Duration	6 hours, regular use
DATA OUTPUT & SOFTWARE	
Format	Point cloud, DXF, CSV
Software package	GSM-200 Control
Processing software	AutoCAD compatible
SCANNING	
Type	LiDAR
Ocular safety	Class 1 laser product. IEC 60825-1:2014 (Third edition)
Wavelength	905 nm
Field of view	360° x 360°
Range	Min. 0.02 m - Up to 200 m
Range with ocular inclusions (dust or fog)	Over 100 m in dust + fog
Distance precision	+/- 5 cm
Distance resolution	10 mm
Angular accuracy	0.3°
Measurement rate (in KHz)	20
IMU	
Azimuth drift	0.5° / min. (in raw data)
Depth accuracy	0.04 m (over 20 m)
	Custom multi-sensor dead-reckoning system
	Post process closed-loop correction
VIDEO IMAGING	
Built-in camera	150° wide angle
Video resolution	1200 TVL (1280 x 1024)
Video recording resolution	720P
LED lighting	125 Lumens