



GeoSight GSM-16

GSM-16

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

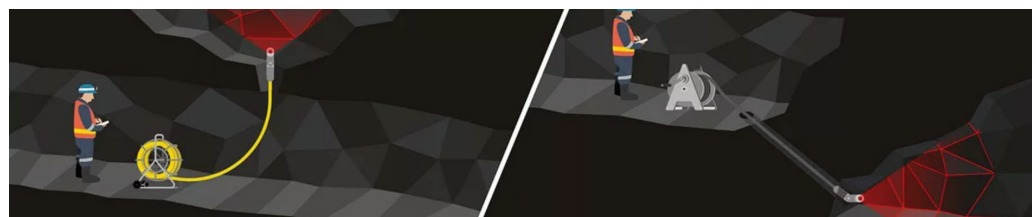
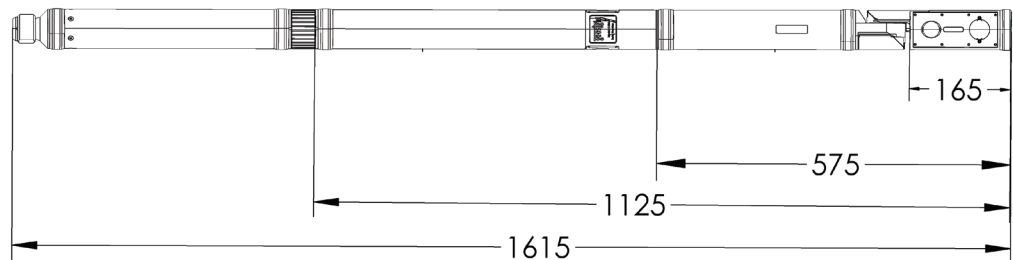
ROBUST DESIGN: Designed to meet IP67 Rating

LiDAR SCANNER: Scan 16° in a single pass, faster and more accurate than ever before!

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 motorized winch or push upward with solid fiberglass rodder



Contact Us

Canada

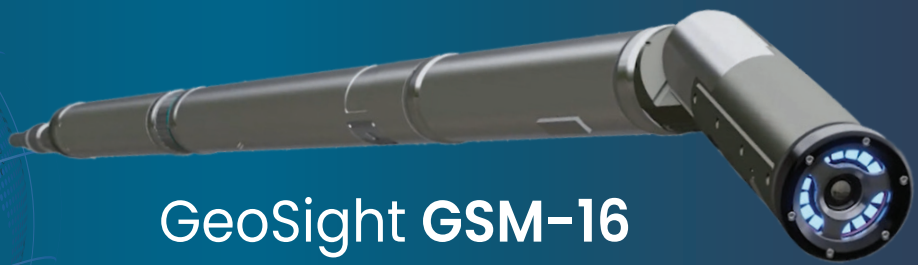
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PERFORMANCE		
Data acquisition time	4 min, standard scan	
Real time registration	Automatic point cloud data	
Infilling	low, medium, high options	
PHYSICAL DATA		
Housing	Hard anodized aluminum frame with stainless steel wear rings	
Dimensions	Scanner (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		
Export	Wi-Fi and USB	
Format	Point cloud, DXF	
Software package	MINEi GSM-16 Control	
Processing software	AutoCAD compatible	
SCANNING		
Type	8 segment solid-state 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 60 m	
Range with ocular inclusions (dust or fog)	Up to 40 m	
Distance precision	6 mm	
Distance resolution	10 mm	
Angular accuracy	0.3°	
Measurement rate (in KHz)	10.0	
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	