

StructureScan™ Mini LT

ADVANCED PRODUCT SPECIFICATIONS

Controller	
Unit Type	Self-contained all-in-one GPR system
Measuring Type	Electromagnetic Ground Penetrating Radar
Antenna Frequency	1,600 MHz Center Frequency (-800 to ~ 2,300 MHz)
Operational Modes	2D and 3D
Display Modes	LineScan, O-Scope, Focus, 3D Grid
Pulse Repetition Frequency	800 KHz (400 KHz FCC compliant version)
Scan Interval	Normal Density: 4 scans/cm (10 scans/in) High Density: 8 scans/cm (20 scans/in)
Depth Ranges	20, 30, 40, 50 cm (8, 12, 16, 20 inches)
Maximum Scanning Speed	50-60 cm/sec (19.5-23.5 in/sec)
Maximum Scan Distance	20 meters (65 ft) at Normal Density
Horizontal Measurement (Precision)	1.2 mm (0.05 in)
Typical Vertical Measurement (Precision)	1.0 mm (0.04 in)
Data Processing	Depth Calibration, Auto Targeting and Auto Depth in Playback Mode
Gain Mode	Automatic
Dielectric Range	4 to 12 (selectable in steps of 0.1)
Languages	English, Spanish, Japanese, Korean, Chinese, French
Data Format	GSSI RADAN .dzt
Monitor	145mm LED backlit LCD display with an optically bonded glass overlay (640 x 480)
Storage	2 GB SD card
Control Functions	Mode dependent. During data collection includes battery life, distance, remaining storage capacity and cursor control
Environmental	
Operating Temperature	-20°C to +40°C (-4°F to +104°F)
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Relative Humidity	<95% non-condensing
IP Rating	IP65
Power	Lithium-Ion Battery (2) with charger
Dimensions	22.9 x 17.8 x 15.2 cm (9.0 x 7.0 x 6.0 in)
Weight	1.6 kg (3.6 lbs) including battery pack
System Includes	
	StructureScan Mini LT
	Lithium-Ion Battery (2)
	Dual-bay battery charger with AC adapter and four (4) international plugs
	StructureScan Mini LT transit case
	Safety wrist strap
	Quick Start Guide
	2-year warranty
Optional Accessories	
	Extension handle

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