

# StructureScan™ Mini LXT

## ADVANCED PRODUCT SPECIFICATIONS

Controller	
Unit Type	Self-contained all-in-one GPR system
Measuring Type	Electromagnetic Ground Penetrating Radar
Antenna Frequency	2,700 MHz Center Frequency (~1.1 to ~ 3.1 MHz)
Operational Modes	QuickScan, ScanMax with Focus Mode, Scan3D, DualScan
Pulse Repetition Frequency	700 KHz (400 KHz FCC compliant version)
Scan Interval	<b>Normal Density:</b> 4 scans/cm (10 scans/in) <b>High Density:</b> 8 scans/cm (20 scans/in)
Depth Ranges	20, 30, 40, 50, 60 cm (8, 12, 16, 20, 24 inches)
Maximum Scanning Speed	50-60 cm/sec (19.5-23.5 in/sec)
Maximum Scan Distance	Unlimited, based on available internal storage
Horizontal Measurement (Precision)	1.2 mm (0.05 in)
Typical Vertical Measurement (Precision)	0.5 mm (0.02 in)
Data Processing	Depth Calibration, Auto Targeting and Auto Depth in Playback Mode
Gain Mode	Automatic and Manual
Dielectric Range	4 to 12 (selectable in steps of 0.1)
Languages	English, Spanish, Korean, Chinese, French
Data Format	GSSI RADAN .dzt
Monitor	165mm (6.5 in) LED backlit LCD touchscreen display
Storage	14.5 GB (internal)
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
Power	Lithium-Ion Battery (2) with charger
Dimensions	23.6 x 15.8 x 18.5 cm (9.3 x 6.2 x 7.3 in)
Weight	1.8 kg (4 lbs) including battery pack
System Includes	
	StructureScan Mini LXT
	Lithium-Ion Battery (2)
	Dual-bay battery charger with AC adapter and four (4) international plugs
	StructureScan Mini LXT transit case
	Safety wrist strap
	Quick Start Guide
	2-year warranty
Optional Accessories	
	Extension Pole

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