SENSORS & SOFTWARE
from RADIODETECTION

LMX150™

Utility locating with GPR made simple



LMX150™ helps you to locate and map utilities with confidence.

SPX TECHNOLOGIES

Rapidly locate metallic and non-metallic utilities.



LMX150 GPR complements traditional pipe and cable locators, helping locate and map underground targets, including:

- Metallic pipes and cables
- Non-metallic pipes (PVC and asbestos cement)
- Storm and sewer systems
- Utilities with failed tracer wires
- Underground storage tanks and drainage tiles
- Septic system components
- Fiber optic cables
- Vaults, foundation walls, and concrete pads

System Features

Intuitive All-Weather Display
Rugged touchscreen with simple field workflows.

Field-to-Map Connectivity
Send marked targets directly to supported mapping applications.

Field Reporting
Automatic PDF Report of screenshots and interpretations.



Geo-Referenced Results
Internal GNSS for screenshots and collected grids.

High-Accuracy* Positioning
Optional external GNSS for visualization, mapping and processing.

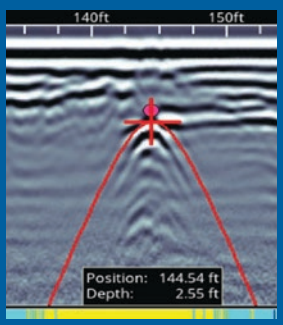
Built for Real-World Terrain
Lightweight cart with integrated odometer.

Simple Power Management
One battery powers the display, sensor and optional GNSS.

Depth & Resolution Balance
500 MHz UWB antenna balances depth penetration (up to 3 m / 10 ft) and resolution.

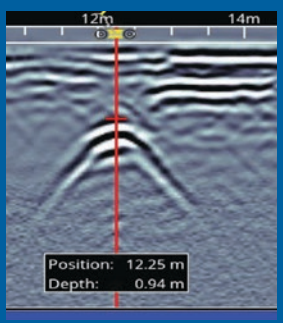
Collect, Interpret & Map

Designed for efficient, confident field work



No complex collection settings, press Start and push the cart.

- DynaQ automatic stacking improves data quality.
- Easy hyperbola-fitting enables more accurate depth measurements.



Identify buried features and use the backup arrow to mark the ground or touch the screen to add digital interpretations.



Add & Visualize Interpretations in SplitView™

Trace buried linear features with confidence.

Map Findings in the Field

Wirelessly send marked targets to supported mapping applications.



External GNSS receiver required for Mapping and SplitView features

Professional Deliverables

PDF
Customer-Ready Reports

Automated PDF reports with interpretations and screenshots.

CSV
Flexible Data Export

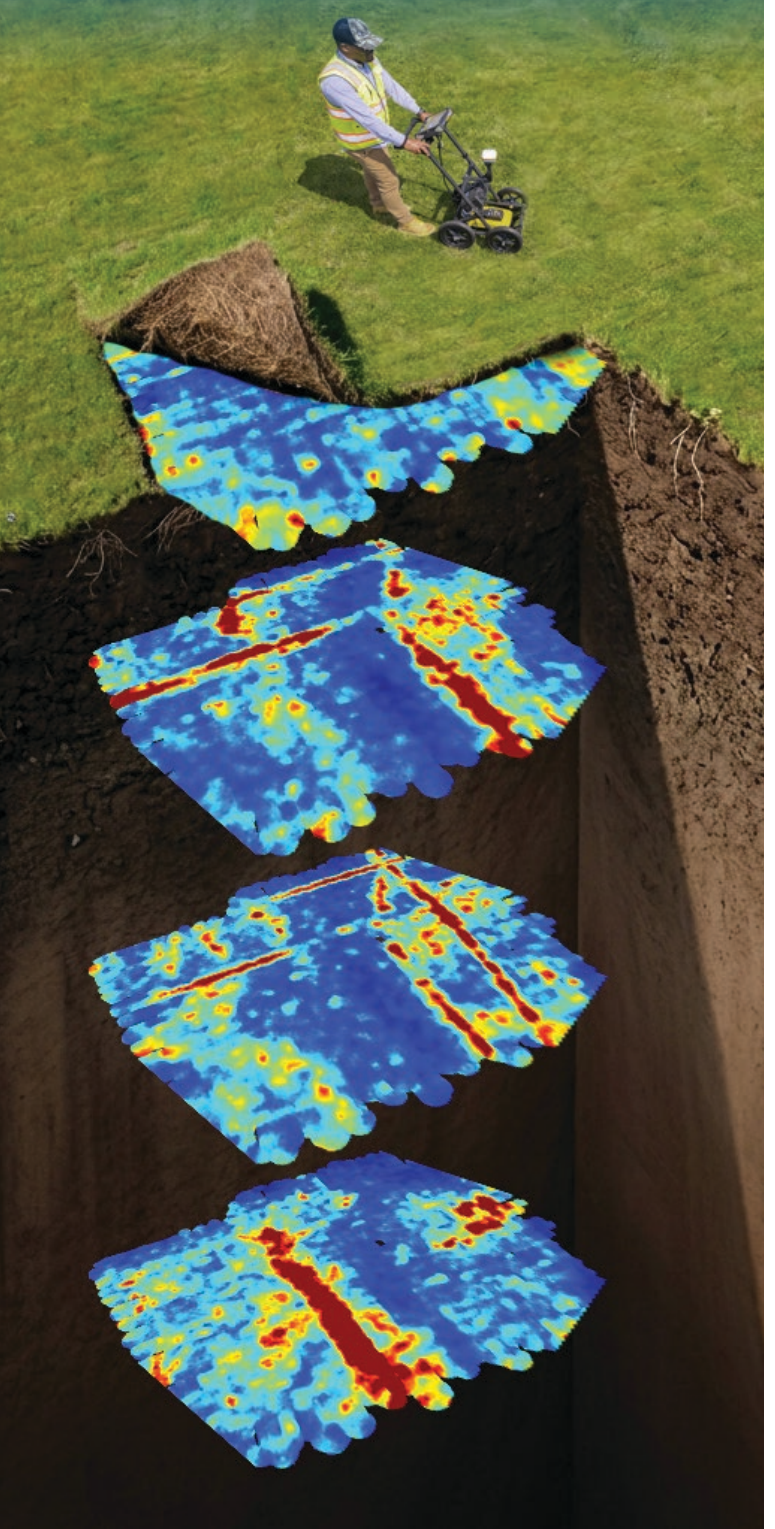
Export georeferenced flags and interpretations for use in supported third-party applications.

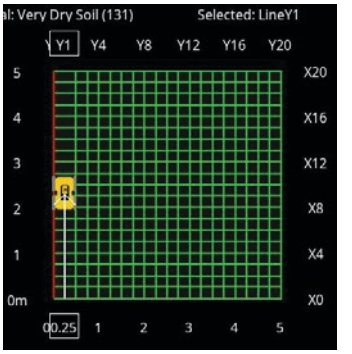
KMZ
Visual Project Deliverables

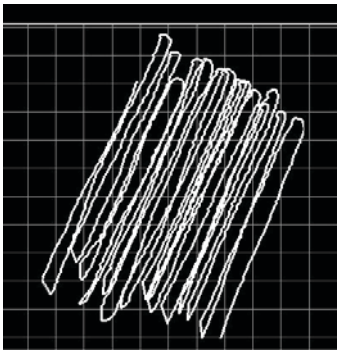
Share Line Scan depth slices, interpretations and screenshots in Google Earth™.

Visualize More Underground

- Generate in-field depth slices
- Peel back underground layers
- Visualize utilities at multiple depths

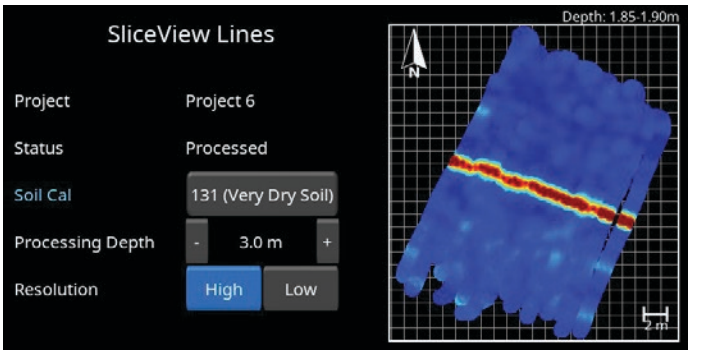






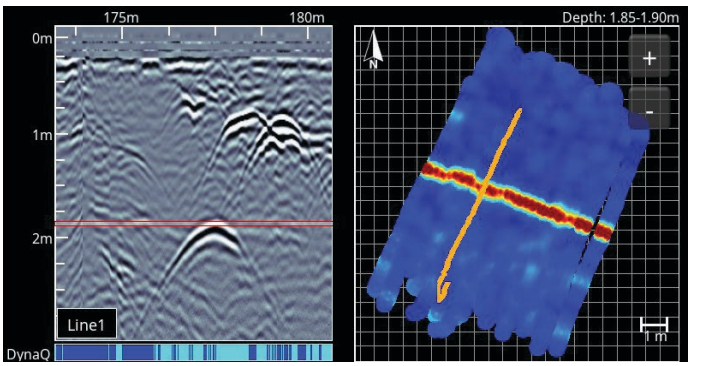
1. Collect data your preferred way

Use guided grid collection or use GNSS-positioned survey lines without traditional grid setup.



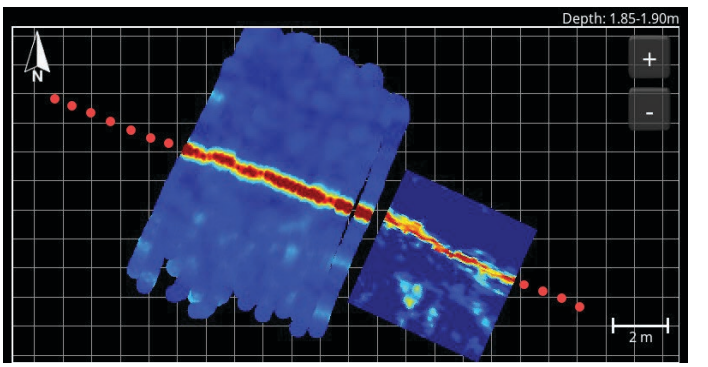
2. Process depth slices in the field

Generate and review depth slices from grids or GNSS-positioned lines while on site.



3. Correlate depth slices to GPR data

Correlate the depth slice to the GPR cross-section to aid target interpretation.



4. Visualize your entire GPR survey

View collection path, depth slices and interpretations together while still in the field.

LMX-SG BUNDLES:
PLUG. PLAY. PRECISE.



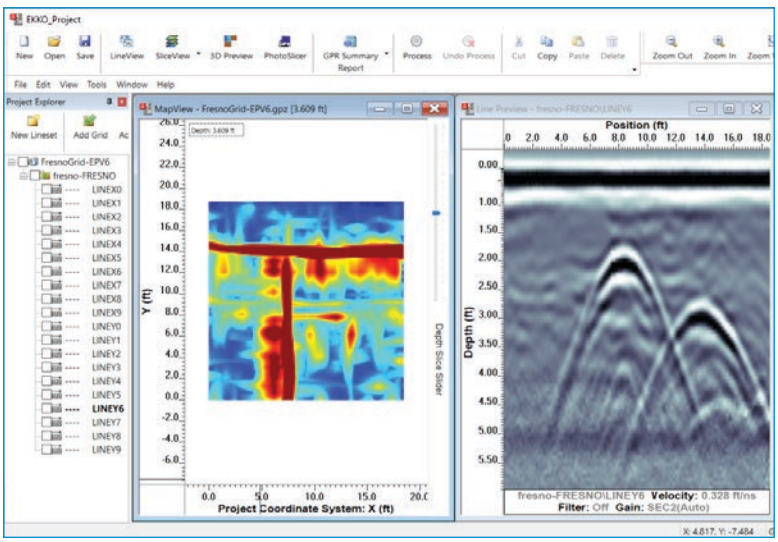
LMX-SG bundles provide an out-of-the-box solution to integrate high-accuracy GNSS positioning into your LMX150 data. Every package includes a pre-configured Juniper Systems® Geode™ GNSS with connectivity, setup, and battery management—all taken care of at the system level for a seamless workflow.



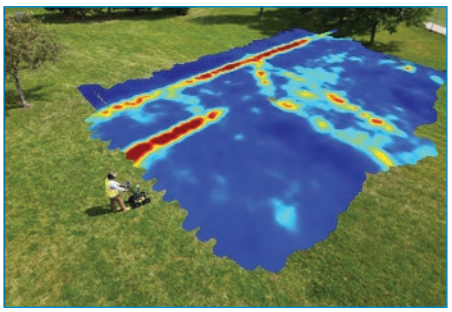
ACCURATE POSITIONING | OUT-OF-THE-BOX SOLUTION | BATTERY MANAGEMENT | SYSTEM-LEVEL INTEGRATION

EKKO_Project™ Software

Visualize, Understand and Report your GPR results with the optional EKKO_Project PC Software

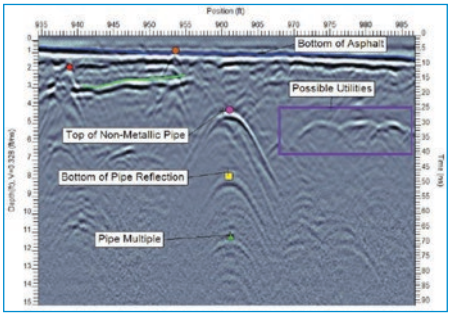




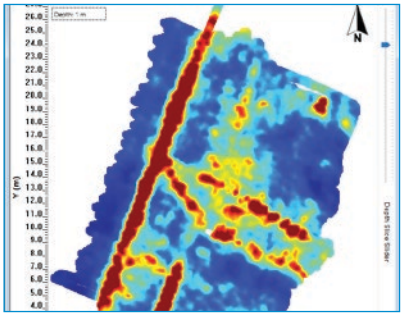


Core

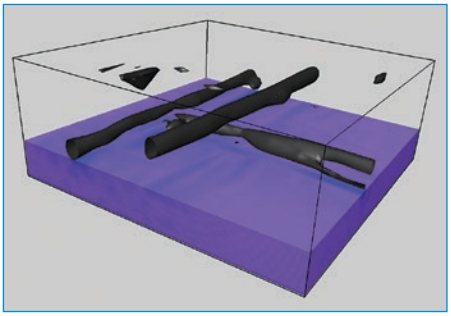
Organize your GPR data, photos and other files and save as a single project file. Easily create PDF reports of your findings.



Examine (Cross-sections)



Reveal (Depth Slices)



3D Reveal (3D Visualization)

Specifications

Weight & Dimensions	
Size: 115 × 55 × 90 cm (45 × 21 × 35 in)	
Weight: 19 kg (41 lbs) (including battery)	
Display Unit size: 21 cm (8 in) diagonal	
Power	
12 volt sealed lead acid gel cell	
Battery Capacity: 9.0 Ah	**Battery Weight:** 3.6 kg (7.9 lbs)
Battery Life: 4-6 hours	**Charger:** 110-240V

Environmental & Temperatures	
Ruggedized, environmentally sealed unit and connections	
IP65	Operating temperature range: -20°C to +50°C (-4°F to 122°F)
Regulatory Specifications	
Meets FCC 15.509, IC RSS-220 and ETSI EN-302066	
Data Storage	**Depth**
230 km (143 miles) of data	Up to 3 meters (10 feet)

Useful resources available at: www.sensoft.ca

- Webinars and online resources (www.sensoft.ca/georadar/webinars)
- Training and events (www.sensoft.ca/gpr-training-events)

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Scan for more information

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