LMX200™

Utility locating with GPR made simple

Trying to avoid dangerous and costly hits to critical utilities?

Want to find and map more utilities at your job site?

Non-metallic utilities without tracer wires giving you trouble?

If so, then LMX200™ is the right GPR for you.

Overview

LMX200™ GPR complements traditional pipe and cable locators and allows you to locate and map targets below the surface.

- Metal utilities, including pipes and cables
- Non-metallic pipes, including PVC and asbestos cement
- Concrete storm and sewer systems
- Utilities where installed tracer wiring has failed
- Underground storage tanks and drainage tiles
- Septic system components
- Non-utility structures such as vaults, foundation walls and concrete pads

High visibility touch screen display unit
- Free lifetime system software updates
- User selectable languages
- US Standard and Metric units

On-site Reports
- Produce instant on-site reports from your display unit

USB
- USB for easy data transfer

Integrated GPS
- Integrated GPS receiver for geo-referencing data

Wi-Fi
- Built-in Wi-Fi capability

GPR Sensor
- Patented ultra-wideband (UWB) 250 MHz GPR antenna
- DynaT™ for Dynamic Target enhancement
- Offers perfect balance of depth penetration (up to 8 m/26 ft) & high resolution

Lightweight Fiberglass Cart Frame
- No metal parts that would interfere with GPR signals
- Rugged, all-terrain cart with integrated odometer, easily maneuverable over any surface

Optional External GPS
- For high accuracy positioning and mapping

Lead Acid Gel Cell Battery
- Long lasting
- Swappable
- Locally available

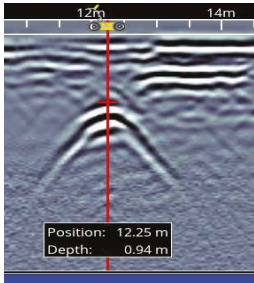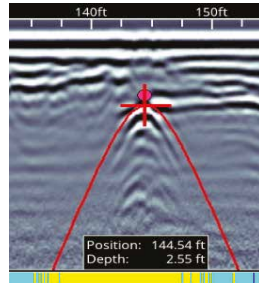## Odometer
- To collect data at equal intervals

LMX200 features

Rapidly locate **metallic** and **non-metallic utilities**

Enhance your productivity
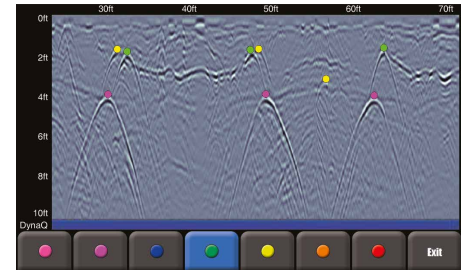
Pinpoint Depth & Location

Easy Depth Calibration

No complex settings – Just press Start and push the cart.

Use hyperbola-fitting to ensure accurate depth measurements and backup over the target to display its location and depth.
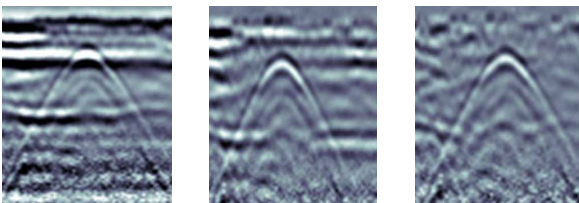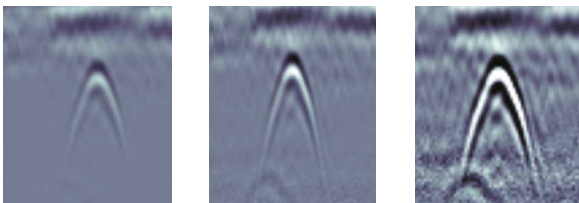
Color-coded field interpretations

Classify your targets in real-time by selecting a color option and touching the screen.

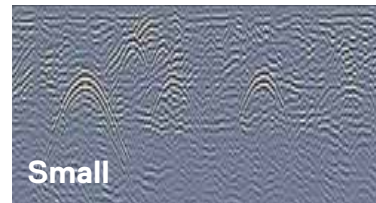### Increase your target confidence in the field with image optimization

Preset Filters

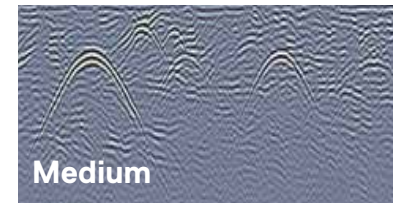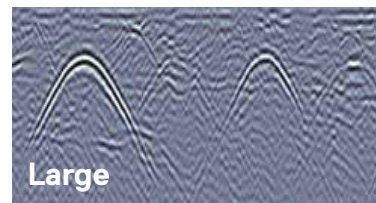

Dynamic Target Enhancement (DynaT)

Small

Medium

Adjustable Gain

Large

All

Optimize visibility of your targets with preset filters & gain.
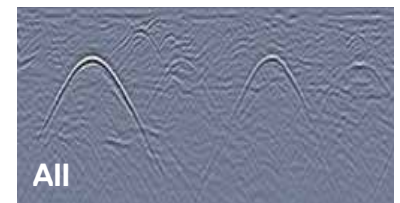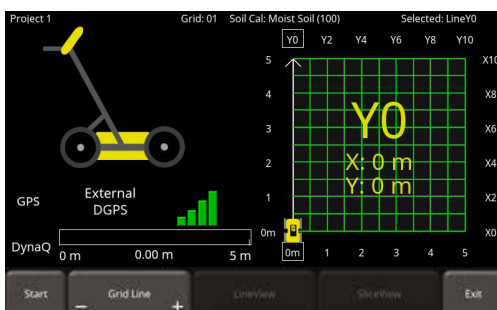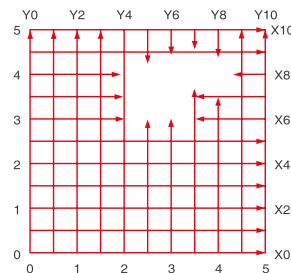
Enhance small, medium & large targets.

Grids & Depth Slices

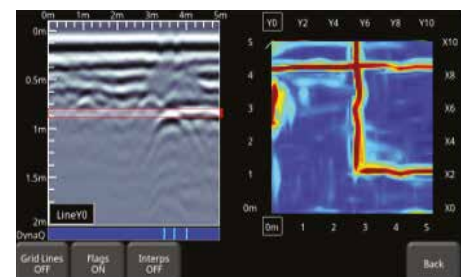#### Flexible & guided grid collection

The LMX200 guides you through setup with pre-selected grid sizes. Stop lines early, or skip lines.

Obstacle avoidance

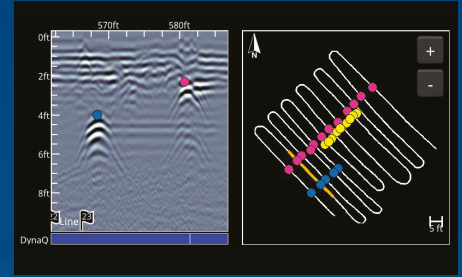System guides data collection around an obstacle in your grid.

In-field Depth slices

Process grid data into depth slices and move down through your data to visualize targets at different depths. Depth Slice through multiple grids on-site.
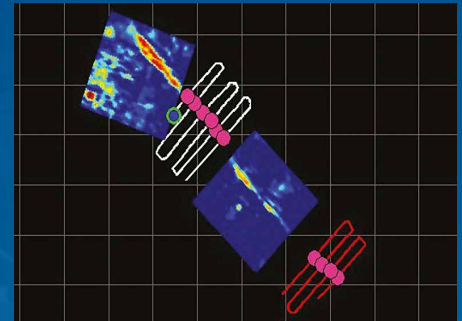
LMX200

Features unlocked with external GPS

SplitView – Real-time MapView during data collection

- Ensure full site coverage by visualizing your survey path
- See interpretations as you add them
- Review data for subtle targets that you may have missed
- Know your location, and go back to areas of interest

Visualize your entire survey in MapView

- See your survey path, depth slices, field interpretations and flags
- Slice through all depth slices simultaneously
- Toggle layers on and off to focus on elements of interest

Export geo-referenced data

	A	B	C	D	E	F
1	Tool	Position (m)	Depth (m)	Latitude	Longitude	GPS-Elevation
2	Point	0.72	0.18	38.8345202	-9.1821844	16.63
3	Point	0.83	0.7	38.8345201	-9.1821826	16.6
4	Point	1.12	0.75	38.8345187	-9.1821798	16.59
5	Point	1.63	0.19	38.8345172	-9.1821759	16.56
6	Point	1.63	0.68	38.8345172	-9.1821759	16.56

Spreadsheet (.CSV) file with flags and interpretations
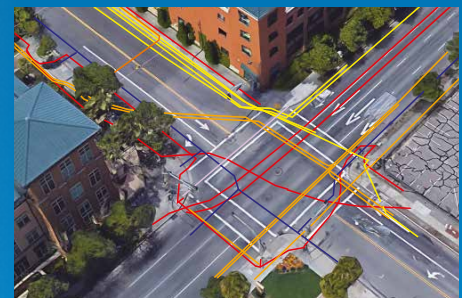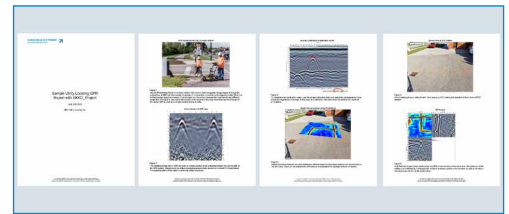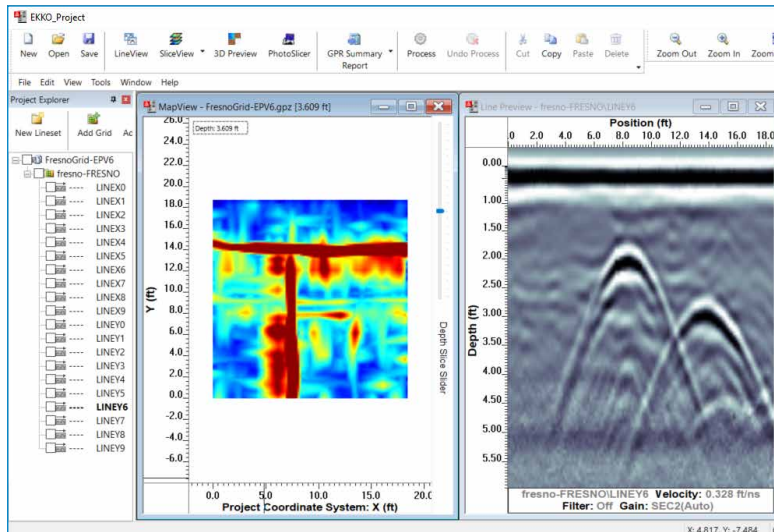

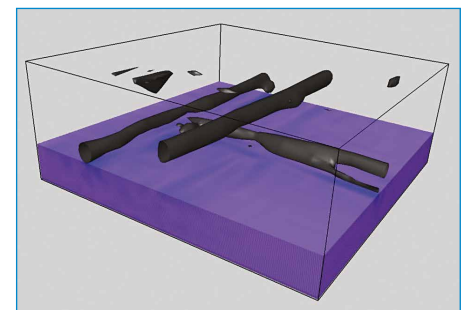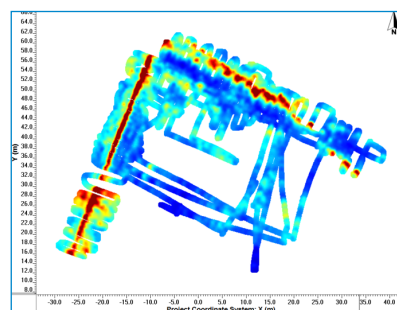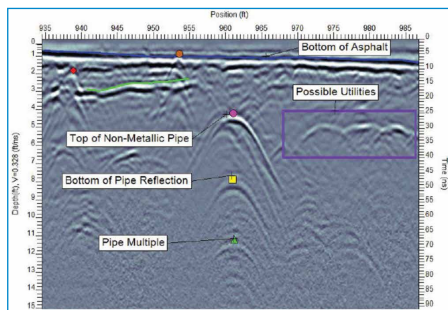KMZ output of lines, grid locations, interpretations, and screenshots

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)

Weight & Dimensions	
Size: 100 x 70 x 115 cm (39.4 x 27.6 x 45.3 in)	
Weight: 22 kg (48 lbs)	
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: -40°C to +50°C (-104°F to 122°F)

Regulatory Specifications	
Meets FCC 15.509, IC RSS-220 and ETSI EN-302066	

Data Storage	Depth
380 km (236 miles) of data	Up to 8 meters (26 feet)

Useful resources to make the most of your LMX:

· LMX200 training videos
· Utility Locating with GPR (Nulca-accredited) interactive and online course (SensoftU.com)
· Webinars and free online resources
· Learn more about our training offerings

SENSORS & SOFTWARE®
from RADIODETECTION

SPX TECHNOLOGIES

Our Mission

**Provide best in class equipment and solutions, to prevent damage
to critical infrastructure, manage assets and protect lives.**

Our Vision

To be the world's leader in the management of critical infrastructure and utilities.

Our Locations

USA
Raymond, ME
Kearneysville, WV

Canada
Mississauga, ON

Europe
United Kingdom **HQ**
France
Germany
The Netherlands

Asia Pacific
India
China
Hong Kong
Indonesia
Australia

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