



LMX LOCATE & MARK™

GROUND PENETRATING RADAR
TO DETECT BOTH SHALLOW
AND DEEP TARGETS
SIMULTANEOUSLY



LMX200

The premier GPR locating tool in the market today

Acquire geo-reference data, create depth slices on-site and wirelessly export all information in formatted reports.



Internal GPS

Geo-tagging targets in reports and Google Earth™

On-site Reports

Produce instant reports from your unit. Include screen captures and line/grid/map view information



High Resolution Touchscreen

Bright, sunlight-visible, high contrast display

Optional External GPS

Higher resolution geo-referencing of targets for CAD and GIS

Wi-Fi Connection

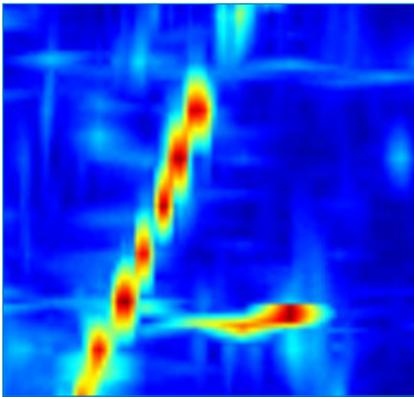
Connect to a Wi-Fi network or hotspot and instantly email a mini-report to your office or customers

LMX200 FEATURES

Unprecedented insights and target confidence Detect traditionally non-locatable subsurface features

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

3D DEPTH SLICING



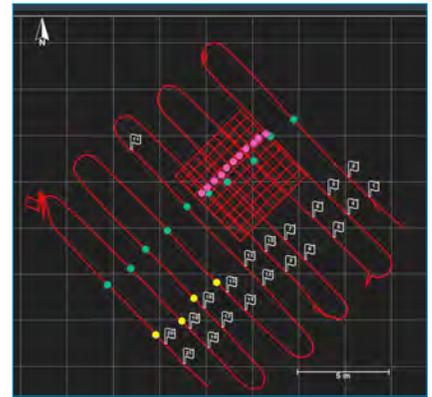
At complex sites, depth slicing reveals the orientation of pipes and cables at different depths and outlines the extent of vaults, foundations and buried tanks.

FIELD INTERPRETATIONS



Classify targets in real time with field interpretations. Use the touchscreen to color-code each target as it is located.

MAP VIEW ON-SITE DISPLAY



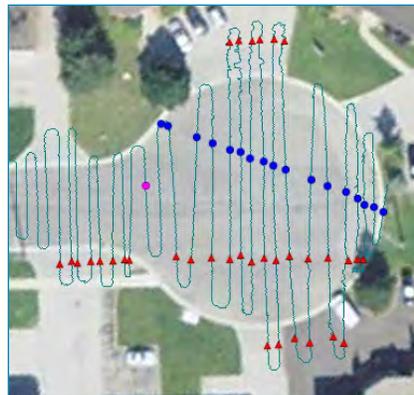
Using the optional external GPS, identified targets are displayed on the screen in a plan map view.

SCREEN CAPTURES



At any point during the survey save screen captures of line data, map views and depth slices.

GEO-REFERENCED OUTPUT



Display your location and targets in Google Earth™ and other similar geo-referenced platforms. Easily integrate utility locations into CAD drawings and GIS databases.

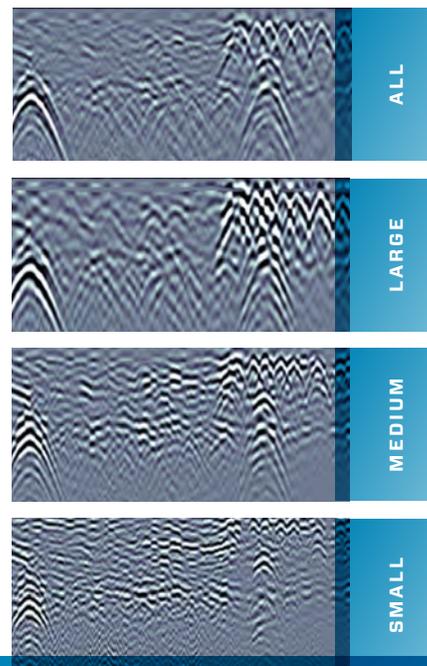
USB DATA TRANSFER



Data is saved to a memory stick for archiving and transfer to a computer.

DYNAMIC TARGET ENHANCEMENT (DynaT)

DynaT optimizes views of small, medium and large targets. These views can be toggled, giving you unprecedented insights and target confidence.



Specifications

	LMX100	LMX200
Data Analysis	In-field analysis	In-field analysis Enhanced: Post-processing analysis using EKKO_Project
Signal Enhancement	DynaQ stacking, spatial filtering	DynaQ stacking, DynaT, spatial filtering
Data Storage	>10,000 graphic data images (.jpg) depending on external flash memory (up to 64 GB)	350 km (>200 miles) of line data in internal memory
Dimensions & Weight	Size: 100 × 70 × 115 cm (39.4 × 27.6 × 45.3 in) Weight: 22kg (48 lbs) Screen Size: 21 cm (8 in) diagonal OPTIONAL: System Transport Case: 81 × 74 × 51 cm (32 × 29 × 20 in) Display Unit Carrying Case: 34 × 30 × 14 cm (13.5 × 12 × 5 in)	
Power	1.25 A @ 12 V Battery: Sealed Lead Acid Gel Cell Life: 4-6 hrs Capacity: 9 Ah Charger: 110 - 240 V for use all over the world	
Environmental	IP65 Temperature: Sensor: -40°C +50°C Display Unit: -10°C +50°C	
Depth	Collects data to 8 m (26 ft)	

LMX100 and LMX200 are available in multiple languages

LMX200 Enhanced provides access to digital data for advanced processing, analysis and reporting.

LMX200 Enhanced option includes:

Display Unit upgrade package

EKKO_Project software

Regulatory Specifications: Meets FCC 15.509, Industry Canada RSS-220, ETSI EN-302066

LMX100

The simple, affordable way to locate and mark utilities in the field

Offers the perfect balance of depth penetration and high resolution for accurate locating

Field-proof Display

Rugged, weatherproof, sunlight-visible data logger used for data acquisition, data display and processing

Multi-language Menu

Selectable menu in more than 10 languages

Lightweight Cart

Rugged fiberglass cart eliminates metallic structure interference

GPR Sensor

High-resolution, ultra-wideband (UWB) GPR technology, ground coupled for maximum signal penetration

Fully Enclosed Odometer

Enables precision data collection even in poor terrain

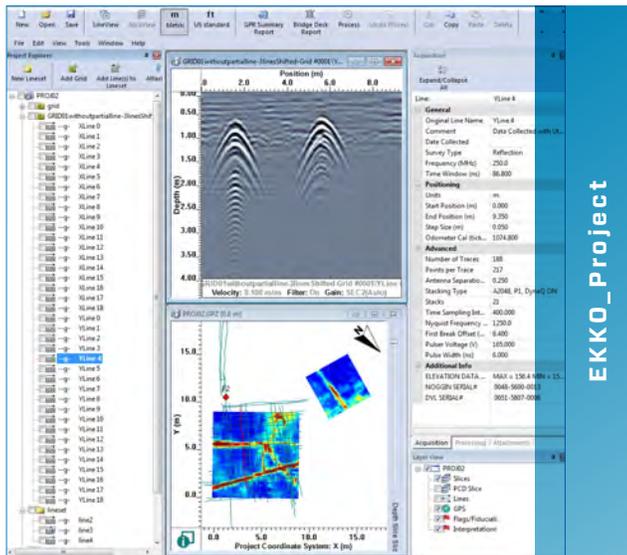


LMX100 is also available with a High Resolution screen. Additional features include:

- * Touchscreen
- * Data Markers
- * Wi-fi
- * Mini-reports
- * Internal GPS
- * Geo-tagging
- * System Usage Report
- * USB for data transfer
- * Full collection review
- * Digital hyperbola calibration
- * Horizontal scaling

EKKO_Project

Advanced Reporting



EKKO_Project

Data exported from the LMX200 Enhanced system uses the EKKO_Project software for data management, data integration and GPR data display:

MapView displays grids and GPR lines collected with GPS

Display GPR lines and save them to graphic image files such as .jpg, .bmp and .png

Display depth slices generated by processing GPR grid data. Slice up and down in depth through the data volume to reveal targets. Slice through multiple grids with different orientations simultaneously

Create impressive reports containing data images and photographs, add text and output to a PDF report

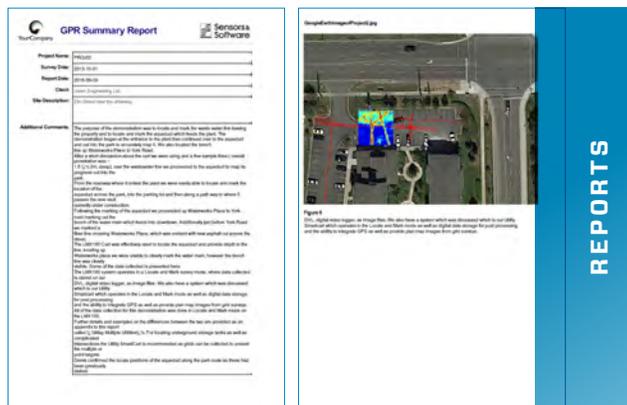
Utility Suite

EKKO_Project can be enhanced with the Utility Suite software for more advanced data analysis and reporting:

LineView module for modifying and displaying GPR lines

SliceView module for modifying and displaying depth slices from GPR grid data and plotting them in Google Earth™ (.kmz) files

Interpretation module for adding point, polyline, box and annotation interpretations to GPR lines in post-processing



REPORTS

PCTE
Sydney | Melbourne | Perth | Brisbane | Auckland

For more information about the product visit www.sensoft.ca

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