



LMX 100 & 200

Locate and Mark Ground Penetrating Radar

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

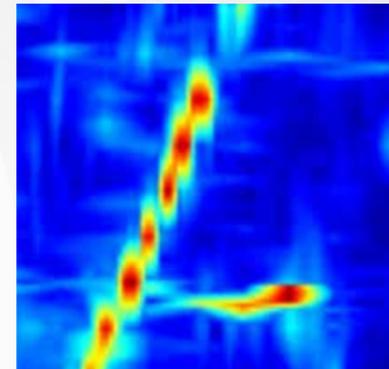
Optional External GPS
Higher resolution geo-referencing of targets for CAD and GIS

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

Unprecedented insights and target confidence Detect traditional 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



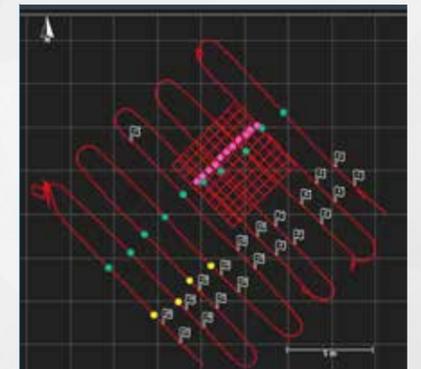
At Complex sites, depth slicing reveals the orientation of pipes and cables at different depths and outlines the extent of vaults, foundations and buried tanks

FIELD INTERPRETATIONS



Classify targets in real time with field interpretations. Use the touch screen to colour code each target as it is located

MAP VIEW ON-SITE DISPLAY



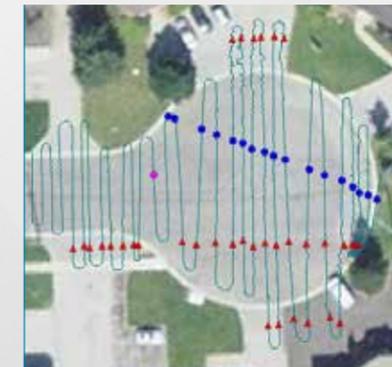
Using the optional external GPS, identified targets are displayed on the screen in a plan map view

SCREEN CAPTURES



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

GEO-REFERENCING 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)

LMX100

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



The simple affordable way to locate and mark utilities in the world

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 fibreglass 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

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 (.jpeg) depending on external flash memory (up to 64GB)	350km (>200 miles) of line data in internal memory
DIMENSIONS AND WEIGHT	Size: 1000 x 700 x 1150 mm Weight: 22kg Screen Size: 21cm (8inch) OPTIONAL System Transport Case: 810 x 740 x 510 mm Display Unit Carrying Case: 340 x 300 x 140 mm	
POWER	1,25 A at 12 V Battery: Sealed Lead Acid Gel Cell Life: 4-6 hours Capacity: 9 Ah Charger: 110 - 240 V for use all over the world	
ENVIRONMENTAL	IP65 Tempreature: Sensor: -40 °C + 50 °C Display Unit: -10 °C +50 °C	
DEPTH	Collects data to 8m	

LMX200 Enhanced provides access for 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 is also available with a High Resolution screen
Addition features include:

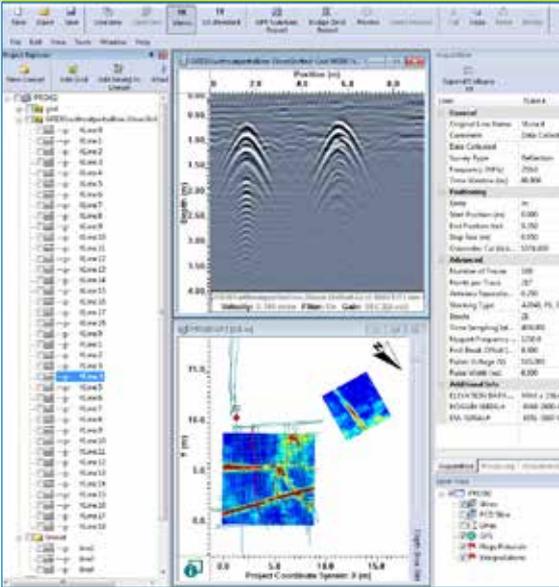
- Touchscreen
- Data Markers
- Wi-Fi
- Mini-reports
- Internal GPS
- Geo-tagging
- System Usage Report
- USB for data transfer
- Full collection review
- Digital hyperbola calibration
- Horizontal scaling



EKKO_PROJECT

For advanced reporting use EKKO_Project software to easily organise and display data exported from the LMX200 Enhanced system. Quickly visualise your data, extract valuable insights and produce superior deliverables for your clients.

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 the graphic image files such as .jpeg, .bmp and .png

Display depth slices generated by processing GPR 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

REPORTS



Utility Suite

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

Line View module for modifying and displaying GPR lines

Slice View 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

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