LMX® LOCATE & MARK™

GROUND PENETRATING RADAR TO DETECT BOTH SHALLOW AND DEEP TARGETS SIMULTANEOUSLY

Subsurface imaging solutions
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

Internal GPS
Screen captures are geo-tagged for display in Google Earth™

On-site Reports
Capture screenshots and share instantly via Wi-Fi

High Resolution Touchscreen
Bright, sunlight-visible, high contrast display

Data Markers
Quickly add arrows to highlight targets and save in screen captures

GPR Sensor
High-resolution, ultra-wideband (UWB) GPR technology, ground coupled for maximum signal penetration
LMX200™

The premier GPR locating tool in the market today

Advanced survey and map functionality in an intuitive and easy to use system. Acquire geo-referenced data, create depth slices on-site and easily export information for reporting.

**Internal GPS**
Automatically geo-tag grids and screen captures for future reference.

**On-site Reports**
Produce instant reports of line, grid or map view screen captures and easily email via Wi-Fi

**High Resolution Touchscreen**
Bright, sunlight-visible, high contrast display

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

**GPR Sensor**
High-resolution, ultra-wideband (UWB) GPR technology with enhanced target visualization.
LMX200™ FEATURES

Achieve unprecedented insights and target confidence

**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, as per utility marking standards.

**MAP VIEW ON-SITE**
Using the optional external GPS, identified targets and survey path are displayed on the screen in a plan map view.

**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.

**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.
Data saved on the display can be transferred to a USB memory stick for archiving and analysis.

Easily save screen captures of your survey data to an image gallery.

Features of the LMX® include:

**SCREEN CAPTURES**

- Easily save screen captures of your survey data to an image gallery.

**USB DATA TRANSFER**

- Data saved on the display can be transferred to a USB memory stick for archiving and analysis.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>LMX100™</th>
<th>LMX200™</th>
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<tbody>
<tr>
<td>Data Analysis</td>
<td>Real-time Locate &amp; Mark</td>
<td>Real-time Locate &amp; Mark</td>
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<td></td>
<td>In-field analysis</td>
<td>In-field analysis</td>
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<td></td>
<td>Enhanced: Post-processing</td>
<td>analysis using EKKO_Project™</td>
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<tr>
<td>Signal Enhancement</td>
<td>DynaQ stacking, spatial filtering, depth and horizontal zoom</td>
<td>DynaQ stacking, DynaT, spatial filtering, depth and horizontal zoom</td>
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<tr>
<td>Data Storage</td>
<td>8 GB internal</td>
<td>350 km (&gt;200 miles) of line data in internal memory</td>
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<tr>
<td>Dimensions &amp; Weight</td>
<td><strong>Size:</strong> 100 x 70 x 115 cm (39.4 x 27.6 x 45.3 in)</td>
<td><strong>Screen Size:</strong> 21 cm (8 in) diagonal</td>
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<td></td>
<td><strong>Weight:</strong> 22kg (48 lbs)</td>
<td><strong>Battery:</strong> Sealed Lead Acid Gel Cell</td>
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<td></td>
<td></td>
<td><strong>Life:</strong> 4-6 hrs</td>
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<td></td>
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<td><strong>Capacity:</strong> 9 Ah</td>
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<td></td>
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<td><strong>Charger:</strong> 110 - 240 V for use all over the world</td>
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<tr>
<td>Power</td>
<td>1.25 A @ 12 V</td>
<td>IP65</td>
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<tr>
<td>Environmental</td>
<td></td>
<td><strong>Temperature:</strong> Sensor: -40°C +50°C</td>
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<tr>
<td></td>
<td></td>
<td><strong>Display Unit:</strong> -20°C +50°C</td>
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<tr>
<td>Depth</td>
<td>Always collects data to 8 m (26 ft), user defined viewing depths</td>
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**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-302068
**EKKO_Project™**

**GPR Analysis & Reporting Software**

Data exported from LMX200™ Enhanced uses the EKKO_Project™ PC software for Data Management, Display, Archiving and Reporting.

**Simple GPR project organization:**
Organize GPR lines & grids, add photos and other files, and save everything in a single project file.

**View GPR data:**
View GPR lines and depth slices. Slice through multiple grids simultaneously, and add background images to MapView.

**Create Impressive Reports:**
Quickly save data as graphic image files (.jpg, .bmp, .png). Automatically create summary reports with data, photographs and text and export as a PDF.

**Add Additional Functionality with the Utility Suite**

- Modify line views and depth slices
- Process GPR line surveys into depth slices
- Export depth slices into Google Earth™
- Add point, polyline, box and annotation interpretations to GPR lines

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