

# LMX® Product Comparison

Select Product for Comparison

LMX100™ |  LMX200™ |  LMX200™ Enhanced

## Line Scan Mode

Features	Description	Demo	LMX100™	LMX200™	LMX200™ Enhanced
Real time Locate & Mark™	Acquire data along a line and view it as a cross-section image		✓	✓	✓
Line Data playback	Save and view any collected line data		✗	✓	✓
Back-up indicator	After acquiring some data on the screen, pull the system backwards to pinpoint target location		✓	✓	✓
Position & Depth Indicator	Crosshair on back-up indicator shows current position and depth		✓	✓	✓
Pop up info box	Touch and hold the screen to generate a movable depth and position info box		✓	✓	✓
Pause Button	In No Save Mode, temporarily stop data collection and resume again without clearing the data from the screen		✓	✓	✓
Drawing arrows	In No Save Mode, draw arrows on the screen to highlight features		✓	✓	✓
GPS Status indicator	Indicates the signal quality of the selected GPS (internal or external)		✗	✓	✓
SplitView	During data collection, display LineView and MapView simultaneously to quickly see the positional relationship between targets (external GPS only)		✗	✓	✓

## Real time viewing options in Line Scan

Features	Description	Demo	LMX100™	LMX200™	LMX200™ Enhanced
Zoom – Position	Vary the length of data displayed on the screen		✓	✓	✓
Zoom – Depth	Vary the depth of data displayed on the screen		✓	✓	✓
Color	View data with different color palettes		✓	✓	✓
Filter	Filter out flat-lying responses in the data using 5 preset filter levels		✓	✓	✓
Gain	Adjust amplification of GPR data to make weaker or deeper targets visible		✓	✓	✓
Soil Cal	Calibrate velocity for accurate depth measurements; hyperbola-fitting method or select from available pre-set Soil Cal values		✓	✓	✓
Interpretations	Mark subsurface features as a colored dot by touching anywhere on the screen		✗	✓	✓
Flags	Mark noteworthy above-ground features with sequentially numbered flags		✓	✓	✓

## Grid Scan Mode

Features	Description	Demo	LMX100™	LMX200™	LMX200™ Enhanced
On site grid scan	Collect grid data and generate depth slices in the field		✗	✓	✓
Guided grid setup	Select grid size and resolution		✗	✓	✓
Guided data collection on the Display unit	Guides user through data collection with intuitive visual and audio prompts.		✗	✓	✓
Recollect grid lines	Recollect any grid line if you make a mistake		✗	✓	✓
Collect partial grid lines	Stop any grid line early to avoid an obstacle		✗	✓	✓
Skip grid lines	Skip a grid line with a touch of a button if the line does not need to be collected		✗	✓	✓
Obstacle Avoidance	The system guides you through collecting a grid around an obstacle		✗	✓	✓
Depth slices from incomplete grids	Generate depth slices with an incomplete grid		✗	✓	✓
Grid line playback	View previously collected grid lines		✗	✓	✓

## Slice View

Features	Description	Demo	LMX100™	LMX200™	LMX200™ Enhanced
View depth slices	Scroll through depths and adjust viewing options		✗	✓	✓
Correlate depth slices to grid lines	View the grid line corresponding to a feature in a depth slice		✗	✓	✓
Depth slice Indicator	Display any grid line and scroll down through the depth slices with the depth slice range indicated on the grid line.		✗	✓	✓
LineView Mode	View grid line in LineView to add interpretations and adjust viewing options		✗	✓	✓

Additional Features

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## Additional Features Slice View

Features	Description	Demo	LMX100™	LMX200™	LMX200™ Enhanced
MapView	Graphically view the path travelled by the system, any flags or interpretations added as well as the ability to cycle through processed depth slices (External GPS only)		✗	✓	✓
MapView (Internal GPS)	Graphically show collected grid locations and processed depth slices		✗	✓	✓
External GPS port	Option to connect an external GPS for increased positional accuracy		✗	✓	✓
Screenshots	Saves the current screen image to a JPG file		✓	✓	✓
DynaQ	Dynamic Quality Enhancement – Automatically adjusts data quality based on system speed		✓	✓	✓
DynaT	Dynamic Target Enhancement – allows the user to selectively view small, medium or large subsurface targets for easier viewing and detection		✓	✓	✓
File Management	Data is logically organized for review and transfer		✓ Screenshots	✓ Lines , Grids & Screenshots	✓ Projects containing Lines, Grids & Screenshots

## Data Export

Features	Description	Demo	LMX100™	LMX200™	LMX200™ Enhanced
USB data transfer	One click data export to a USB drive		✓	✓	✓
Field Interpretations file (.CSV)	Positional information for interpretations and flags automatically exported as a .CSV file		✗	✓	✓
Geotagged Screenshots (.JPG)	Exports screenshots as JPG files		✓	✓	✓
KMZ Files	Screenshots, survey paths and field interpretations are automatically exported to .KMZ files for viewing in Google Earth™		✓ Screenshots Only	✓	✓
Project files (.GPZ)	All data (lines, grids & screenshots) in a project are saved as a .GPZ file		✗	✗	✓
Wi-Fi Mini Reports	From the field, email reports containing screenshots and information about the collected data		✓	✓	✓
System usage report	A PDF report containing usage statistics and system diagnostics		✓	✓	✓

## GPR Analysis and Reporting Software

Features	Description	Demo	LMX100™	LMX200™	LMX200™ Enhanced
Included EKKO_Project™ PC Software	Open project files to organize data files, view data and generate reports		✗	✗	✓
Optional EKKO_Project™ Utility Suite	Includes LineView, SliceView and Interpretation modules to edit, process, and annotate your GPR data		✗	✗	✓