

SENSORS & SOFTWARE® 
from RADIODETECTION

PROMAT



LMX150™
FINDAR® GPR

Utility locating with GPR made simple

Trying to avoid dangerous and costly hits
to critical utilities?

Want to find more non-metallic utilities
at your job site?

Locating shallow, small utilities giving
you trouble?

If so, LMX150™ FINDAR® GPR is for you.



SPX 

Overview

LMX150™ FINDAR® GPR complements traditional pipe and cable locators and allows you to locate 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
- Fiber optic cables
- 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

Lead Acid Gel Cell Battery

- Long lasting
- Swappable
- Locally available

Optional External GPS

- For high accuracy positioning and mapping

Compact 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

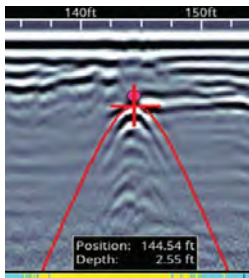
High Resolution GPR Sensor

- Patented ultra-wideband (UWB) 500MHz GPR antenna
- Scanning depth up to 3m (10 ft)

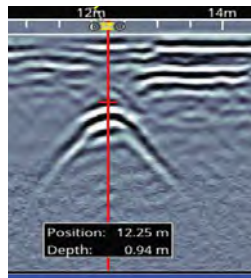
LMX150™ FINDAR® GPR Features

Enhance your productivity

Easy Depth Calibration



Pinpoint Depth & Location



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.

Dynamic Stacking (DynaQ®)

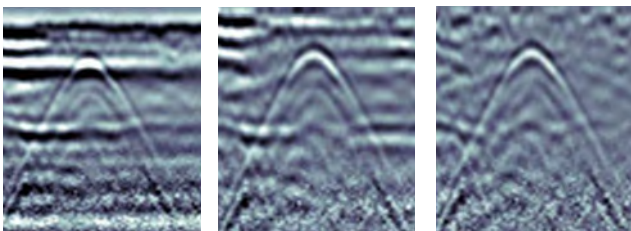


- ☐ White = No data (too fast!)
- ☐ Yellow = Moderate quality
- ☐ Light blue = Better quality
- ☐ Dark blue = Highest quality

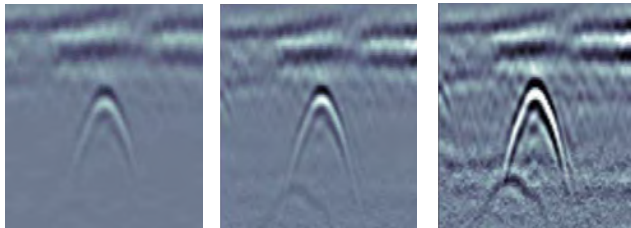
Better data quality with DynaQ – automatically adjusts stacking (averaging) based on your survey speed.

Optimize visibility of your targets in the field

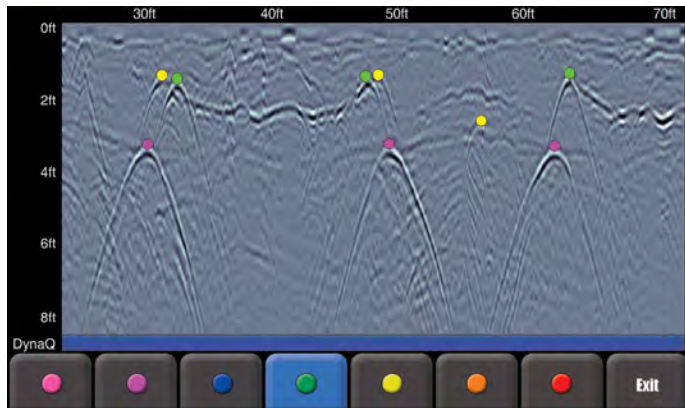
Preset Filters



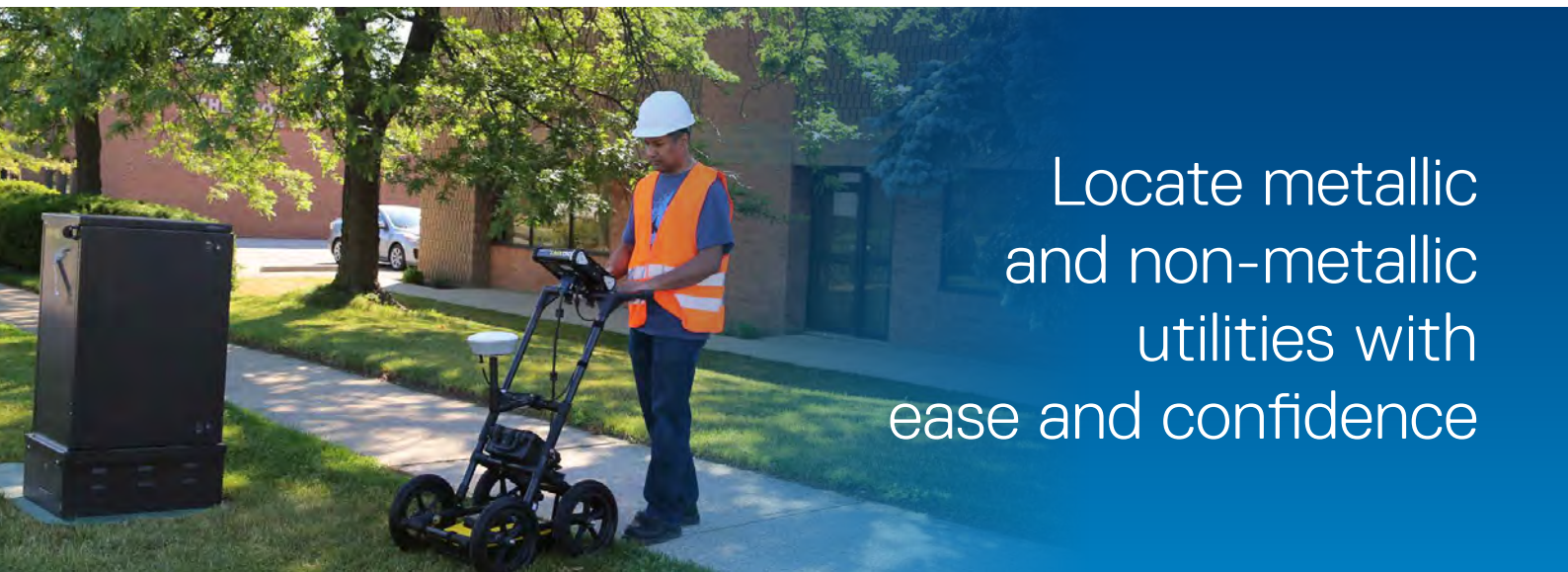
Adjustable Gain



Color-coded field interpretations



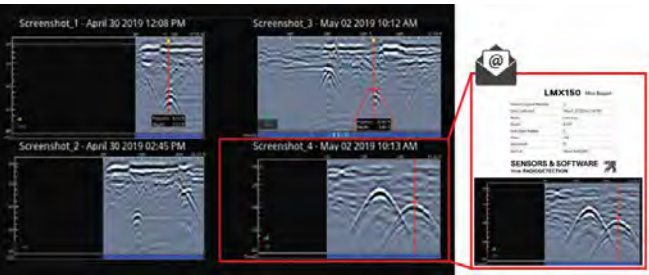
Classify your targets in real-time by selecting a color option and touching the screen.



Locate metallic
and non-metallic
utilities with
ease and confidence

Get faster deliverables

In-field Screenshot Gallery & Wi-Fi mini-reports



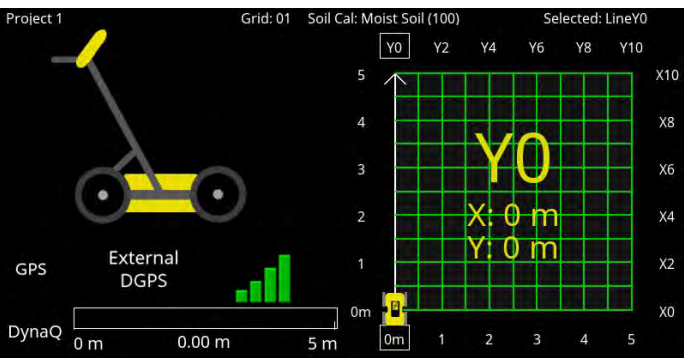
Manage & review your screenshots and email them in a Wi-Fi mini-report from the field.

Geo-tagged information for reports & archiving



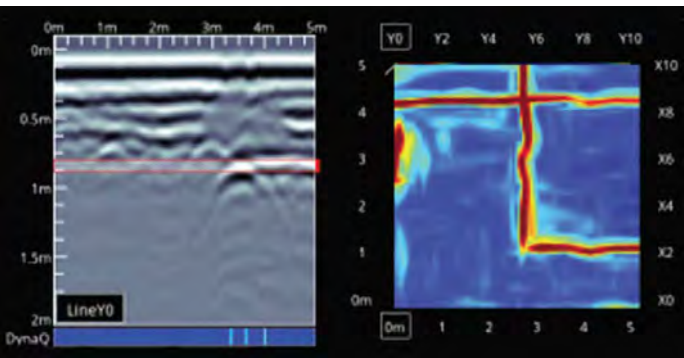
All screenshots are geo-tagged and exported in a KMZ file that is easily displayed in Google Earth.

Complete coverage of complex areas



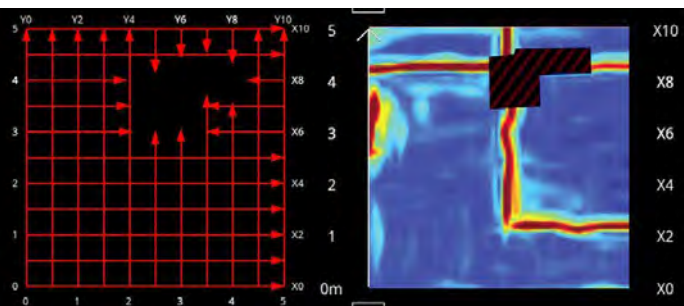
Flexible & guided grid collection

The LMX150™ FINDAR® GPR guides you through the setup with pre-selected grid sizes. Stop lines early, or skip lines.



In-field Depth slices

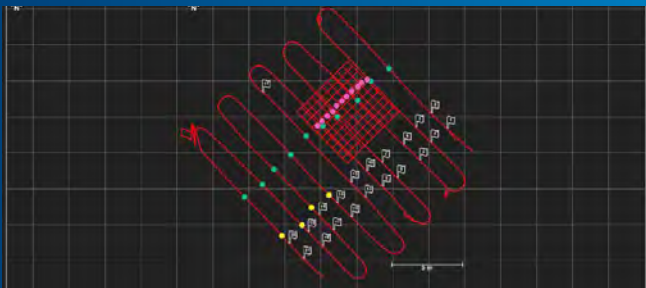
Process grid data into depth slices and move down through your data to visualize targets at different depths.



Obstacle avoidance System guides data collection around an obstacle in your grid.

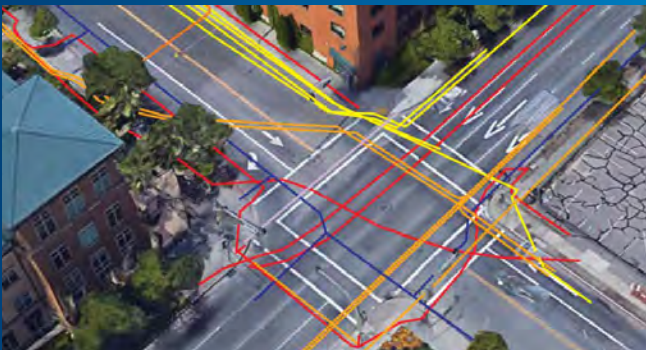
Features unlocked with GPS

View your survey area in the field



Line scans, grids and field interpretations are displayed on the screen in a plan map view.

Export geo-referenced data to Google Earth™



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

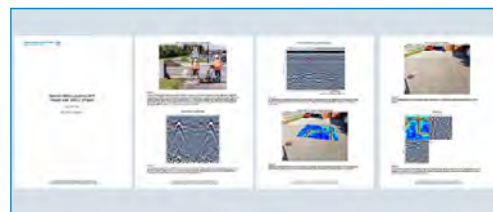
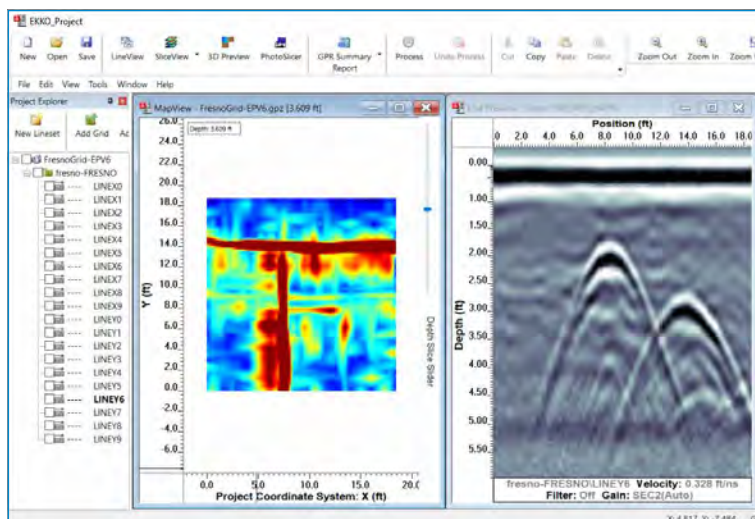
Export geo-referenced data in spreadsheet (.csv files)

	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

Spreadsheet (.csv) file with flags and field interpretations to import into GIS or CAD software.

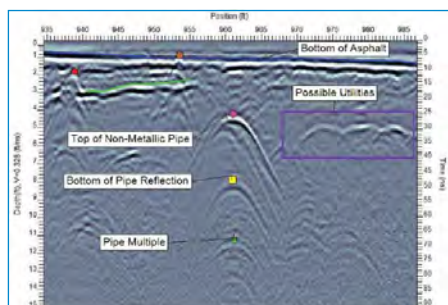
EKKO_Project™ Software

Visualize, Understand and Report your GPR results with the optional EKKO_Project™ PC Software

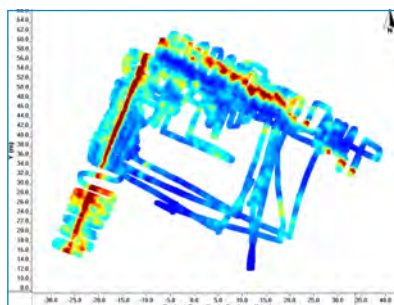


Core

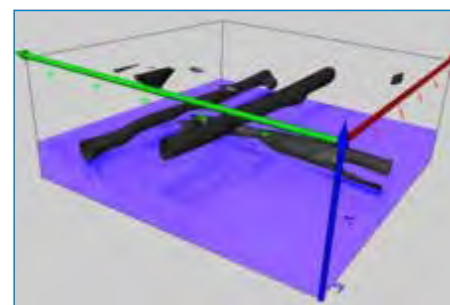
Organize your GPR data, photos and other files and save as a single project file. Easily create PDF reports of your findings.



Examine (Cross-sections)



Reveal (Depth Slices)



3D Reveal (3D Visualization)

Specifications

Weight & Dimensions	
Size: 115 x 55 x 90 cm (45 x 21 x 35 in)	
Weight: 19 kg (41 lb) (including battery)	
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
230 km (143 miles) of data	Up to 3 meters (10 feet)

Useful resources to make the most of your LMX150™ FINDAR® GPR

- [Webinars and free online resources](#)
- [Utility Locating with GPR \(Nulca-accredited\) interactive and online course \(SensoftU.com\)](#)
- [Learn more about our training offerings](#)