SENSORS & SOFTWARE ®
from RADIODETECTION

PROMAT

LMX100™

Utility locating with GPR made simple

Trying to avoid dangerous and costly hits to critical utilities?

Want to find more utilities at your job site?

Non-metallic utilities without tracer wires giving you trouble?

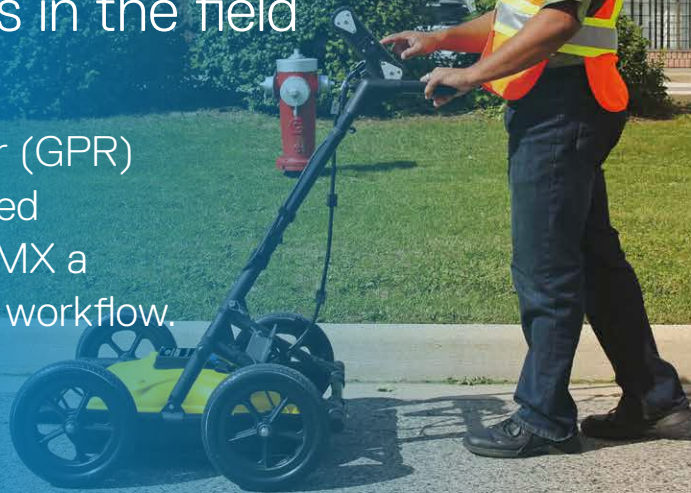If so, then LMX100™ is the right GPR for you.

SPX

LMX100™ overview

The simple, efficient way to
Locate & Mark™ utilities in the field

LMX® Ground Penetrating Radar (GPR) systems are designed & optimized for utility locating, making the LMX a natural addition to your locating workflow.

LMX GPR systems complement traditional pipe and cable locators and allow you to Locate & Mark:

- 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

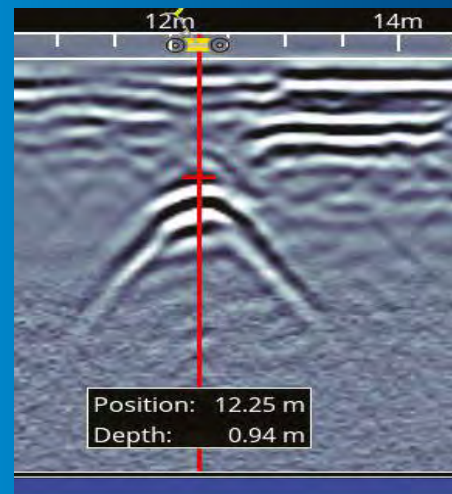- Non-utility structures such as vaults, foundation walls and concrete pads

LMX100 features

Rapidly locate **metallic** and **non-metallic utilities**
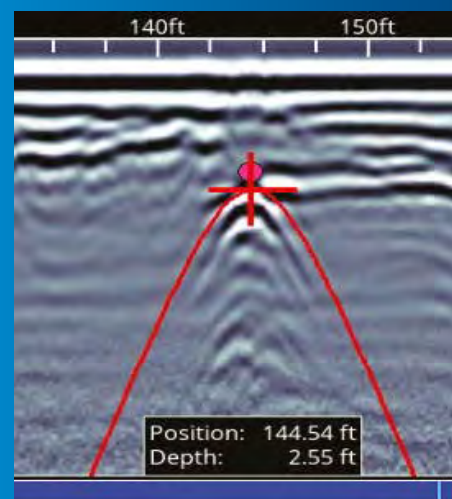
Enhance your productivity

No complex settings – Just press Start and push the cart

Pinpoint Depth & Location

Position: 12.25 m
Depth: 0.94 m

Easy Depth Calibration

Position: 144.54 ft
Depth: 2.55 ft

Use hyperbola-fitting to ensure accurate depth measurements and backup over the target to display its location and depth.
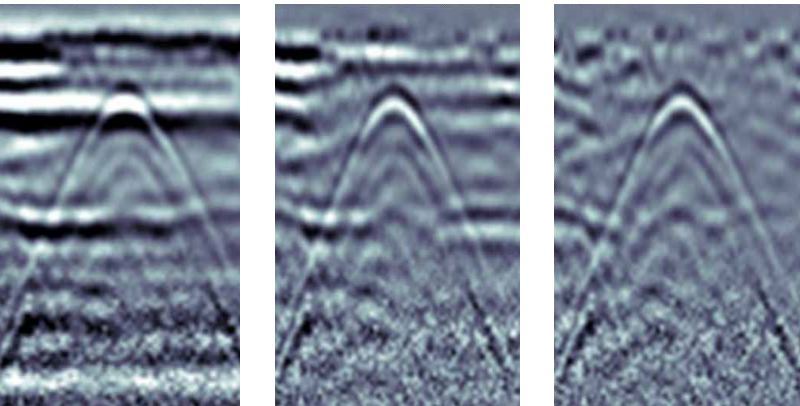
Dynamic Stacking (DynaQ®)

Better data quality with DynaQ. The LMX automatically adjusts stacking (averaging) based on your survey speed.
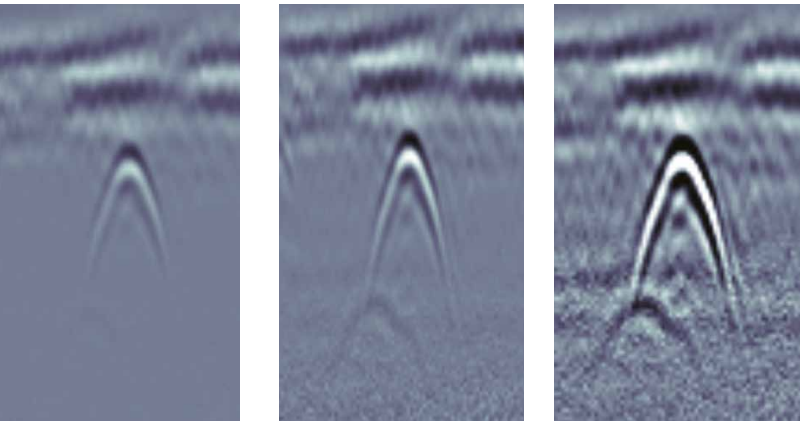
- ■ **White =** No data (too fast!)
- ■ **Yellow =** Moderate quality
- □ **Light blue =** Better quality
- ■ **Dark blue =** Highest quality

Increase your target confidence in the field with image optimization
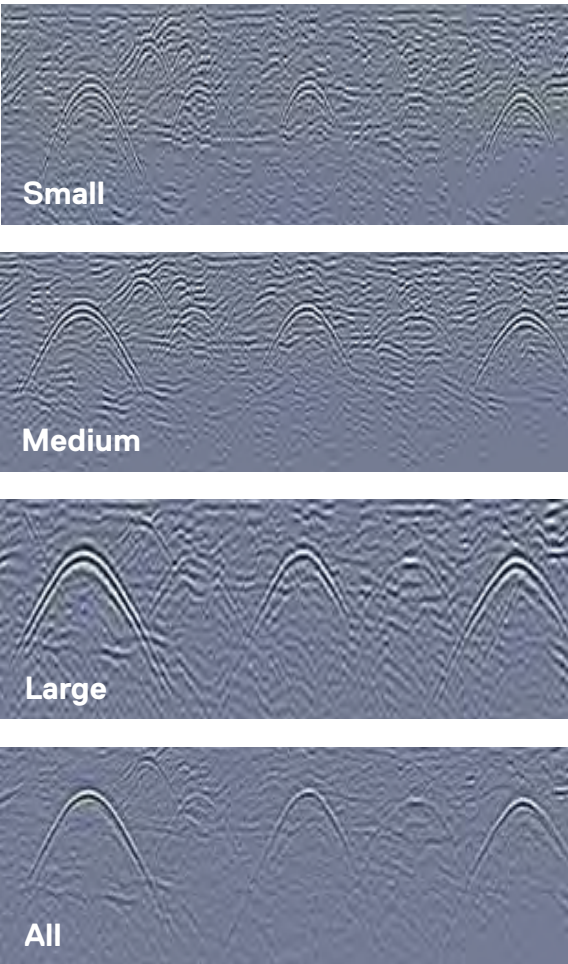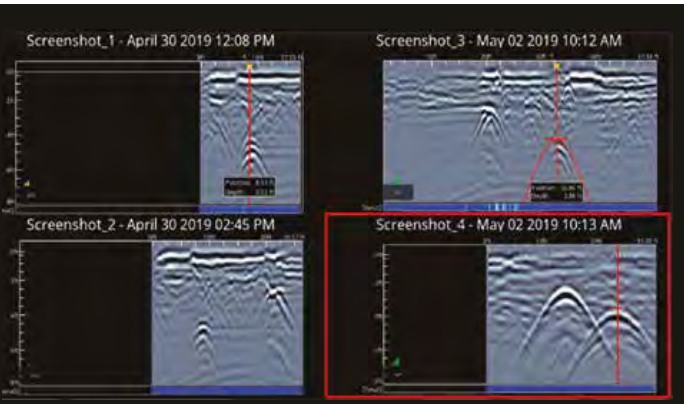
Preset Filters

Dynamic Target Enhancement (DynaT™)

Small

Medium

Large

All

Adjustable Gain

Optimize visibility of your targets with preset filters & gain.

Enhance small, medium & large targets.

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 to share key collection information and images.

Geo-tagged information for reports & archiving

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

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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

GPR Sensor
- Patented ultra-wideband (UWB) 250 MHz GPR antenna
- DynaT for Dynamic Target enhancement
- Offers perfect balance of depth penetration (up to 8 m/26 ft) & high resolution

Lightweight Fiberglass Cart Frame
- No metal parts that would interfere with GPR signals
- Rugged, maneuverable, all-terrain cart

Lead Acid Gel Cell Battery
- Long lasting
- Swappable
- Locally available

Odometer
- To collect data at equal intervals

Weight & Dimensions	
Size: 100 x 70 x 115 cm (39.4 x 27.6 x 45.3 in)	
Weight: 22 kg (48 lbs)	
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
10,000+ screenshots	Up to 8 meters (25 feet)

Useful resources to make the most of your LMX:
- LMX100 training videos
- Utility Locating with GPR (Nulca-accredited) interactive and online course (SensoftU.com)
- Webinars and free online resources
- Learn more about our training offerings