





CONQUEST 100

Conquest 100 is a light, portable device that provides a fast, non-invasive method to gain accurate insights of objects below the surface, even on a curved surface or column.

Conquest 100 reduces risks by detecting rebar, post-tension cables, metallic and non-metallic conduits as well as current-carrying wires embedded in concrete. Once your scan is complete, Conquest 100 connects to your mobile device, allowing you to email information directly from the field. Back in the office view your data and make client-ready reports in minutes.

APPLICATIONS

- Locate rebar post-tension cables, metallic and non-metallic conduits embedded in concrete.
- Create detailed scans of concrete floors, decks, columns, walls and ceilings to detect embedded objects before cutting or coring. Detect voids beneath slab-on-grade.
- Locate and map current carrying wires using Power Cable Detector (PCD) technology.

FEATURES

- Screen capture and send reports wirelessly via smart phone
- Easy scanning of walls and ceilings due to light weight sensor
- Produces on-site reports instantly from unit
- High resolution touch screen
- Swappable Li-Ion battery
- Line Scanning for reconnaissance surveys
- Grid Scanning for detailed mapping
- Power cable detector (PCD)
- Blue Tooth connectivity



Technical Data			
	Display Unit	Sensor Head	Transport Case
Dimensions	240x240x140 mm	190x30x150 mm	830x440x26 mm
Weight	3.26 Kg	1.0 Kg	21 Kg
Power Cable Detector	Locates current at 50 Hz and 60 Hz		
Data Collection Modes	LINE SCAN: max line length 50 m GRID SCAN: 600x600mm, 600x1200mm, 1200x1200mm ENHANCED: 2400x2400mm, 2400x600mm		
Data Export Format	PNG graphics image files, PDF mini reports via e-mail through Wi-Fi, Enhanced: Project (gpz) digital data file		
Data Quality Enhancement	DynaQ - Dynamic Auto Stacking Special Filtering		
Data Analysis	In-field analysis, Enhanced: post-processing analysis - EKKO_Project		
Power	Lithium battery pack 4-6hours, battery capacity: 9 Ah, AC mains adapter (100-240v) to power system		

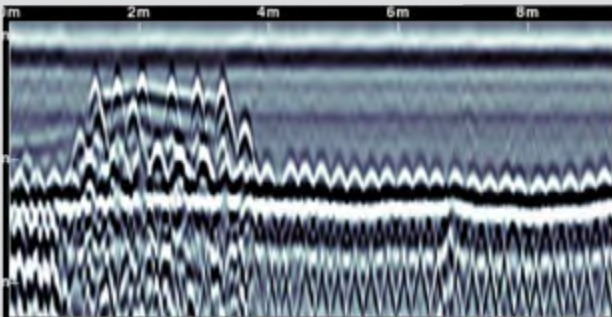
CONQUEST 100 ON-SITE REPORTS

The Conquest 100 produces instant reports from your unit. Including screen captures and line/grid/coring/depth information. Connect to your mobile and email detailed results directly from the field.

Line Scan:

Line Scan reconnaissance surveys provide a real time assessment of targets embedded in concrete. Pin point targets with the backup arrow.

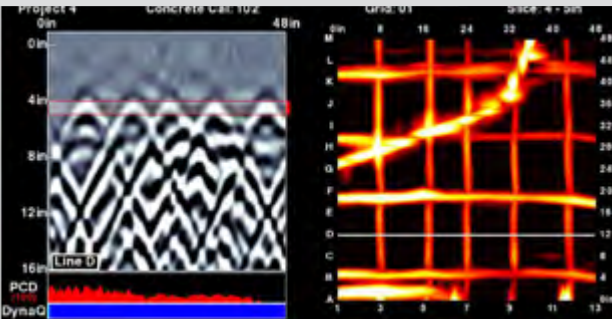
- Classify targets in real time with colour-coded field interpretations by simply touching the screen
- Display position and depth of targets with the touch of a finger



Grid Scan Mode:

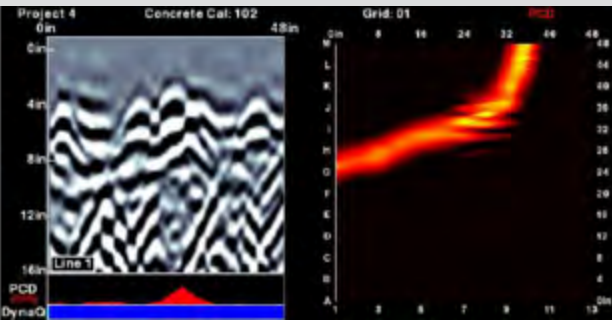
Grid Scan detailed mapping generates on-site 3D images to better visualise embedded objects. Multiple grid sizes available.

- Decide exactly where to drill in the grid with the drill locator with variable drill bit diameters
- Classify targets with field interpretations.



Power Cable Detector (PCD)

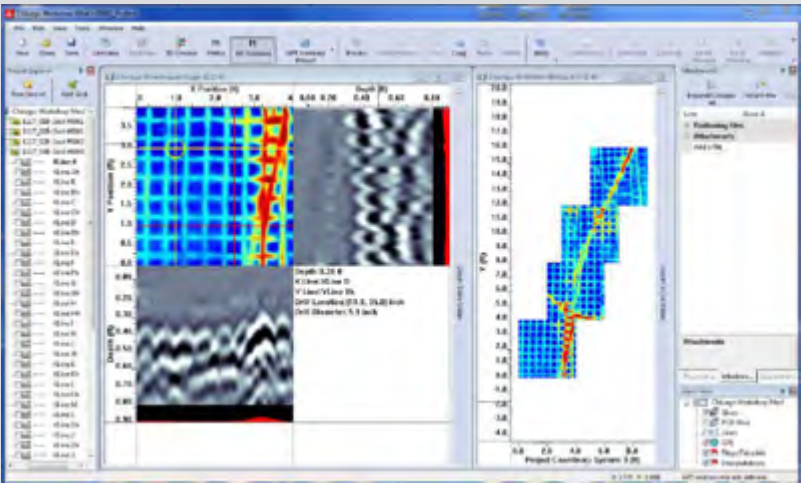
- Power cables embedded in concrete pose an immediate risk when construction work needs to be done.
- PCD augments GPR imaging with the ability to detect current-carrying utility lines.
- Locate and differentiate these hazardous utilities from other structural elements.



EKKO\_PROJECT SOFTWARE

EKKO\_Project software is included in the Conquest 100 enhanced option. Use EKKO\_Project software to easily organise and display data exported from the Conquest 100 Enhanced system. Quickly visualise your data, extract valuable insights and produce superior deliverables for your clients.

- Locate where to position cores
- Generate impressive reports, containing data images, photos and text
- Display GPR lines and grids and save them as graphic image files
- Attach photos and other files directly to the data
- Slice through multiple grids simultaneously to reveal targets
- Connect your grids together to see the big picture
- Organise and rename your lines and grids easily





LMX 100

The LMX 100 is designed specifically to make marking utilities with GPR Simple and easy. As one of the most affordable GPR utility locating tools, LMX100 completes the locator's toolbox, offering a more complete picture of the underground infrastructure.

LMX 100 has the advantage of detecting:

- Metallic and non-metallic utilities
- Utilities with broken tracer wires
- Undocumented utilities
- Disturbed soil often associated with utility burial
- Unexpected obstacles/buried structures such as old foundations that can cause problems for excavations or construction

The LMX100 offers the perfect balance of depth penetration and resolution for accurate locating. Data is collected in Locate & Mark mode; this provides a real-time image in the field to identify utilities and mark their locations.



LMX 200

The LMX200 GPR is the premier ground penetrating radar locating tool in the market today. Acquire geo-reference data, create depth slices on-site and wirelessly export all information in formatted reports.

The LMX200 can detect traditionally:

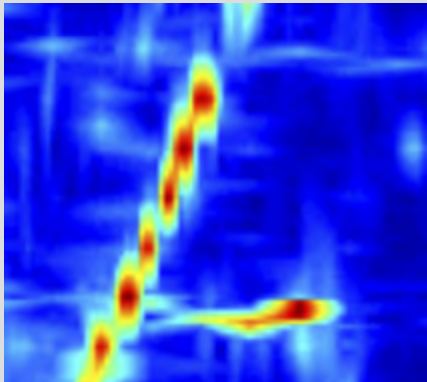
- non-locatable subsurface features:
- Non-metallic pipes, including PVC and asbestos cement
- Concrete storm and sewer systems
- Utilities where installed tracer wiring has failed
- Underground storage tanks and drainage tiles
- Septic system components
- Non-utility structures like vaults, foundation walls, concrete pads

Features:

- 3D Depth Slicing: Reveals the orientation of pipes and cables at different depths and outlines vaults, foundations and buried tanks
- Field Interpretations: Classifies targets in real time
- Map view on-site display: The external GPS shows identified targets on the screen in a plan map view
- Geo-referenced output: Display your location and targets in Google Earth. Easily integrate utility locations into CAD drawings and GIS databases.
- USB Transfer: Data is saved to a memory stick for archiving and transfer to a computer.



LMX 200 FEATURES



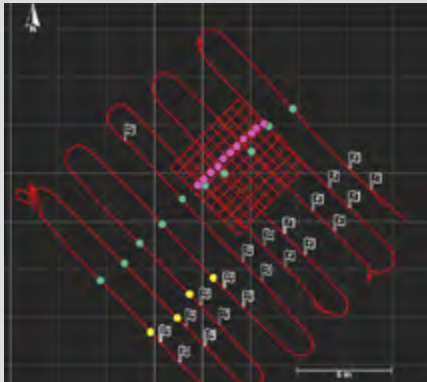
3D Depth Slicing

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



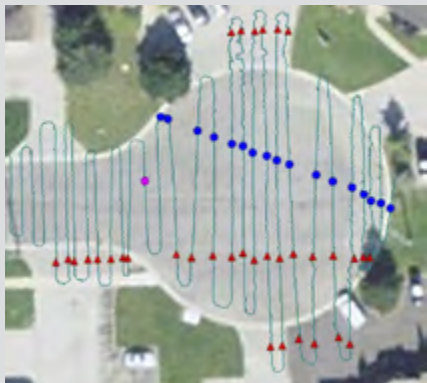
Field Interpretations

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



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



Screen Captures

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

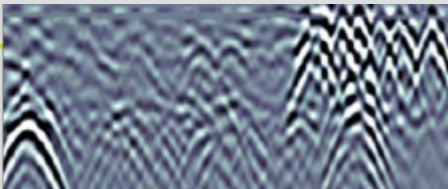


USB Data Transfer

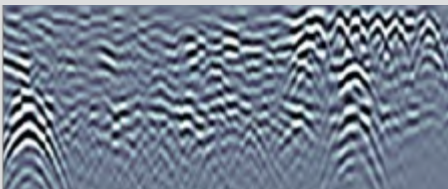
Data is saved to a memory stick for archiving and transfer to a computer.

LMX 200 DYNAMIC TARGET ENHANCEMENT (DYNAT)

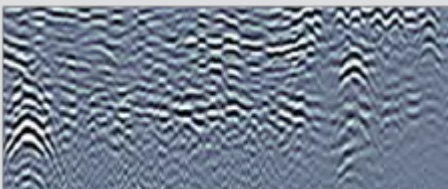
DynaT optimises views of small, medium and large targets. These views can be toggled, giving you unprecedented insights and target confidence.



LARGE



MEDIUM



SMALL



PROCEQ GPR LIVE

Proceq GPR Live is the beginning of a new area in Non-Destructive Technology (NDT). The outstanding, patented ultra wide-band technology combined with a compact wireless scan car delivers unmatched industry performance. Just connect to your iPad and detect objects and back walls with an unseen clarity.

Pioneering ultra wide-band

The new Proceq GPR Live comes with the unique Continuous Wave Stepped Frequency technology delivering the widest frequency spectrum in the market. All applications typically addressed with antennas in the range of 0.2 to 4.0 GHz can now be covered with one single device. No need to buy and switch to a different antenna for different testing locations.

Unmatched connectivity

The powerful ecosystem of the Proceq GPR Live, the wireless scan car together with an Apple iPad and Proceq Live web tool enables real-time data analysis and sharing.

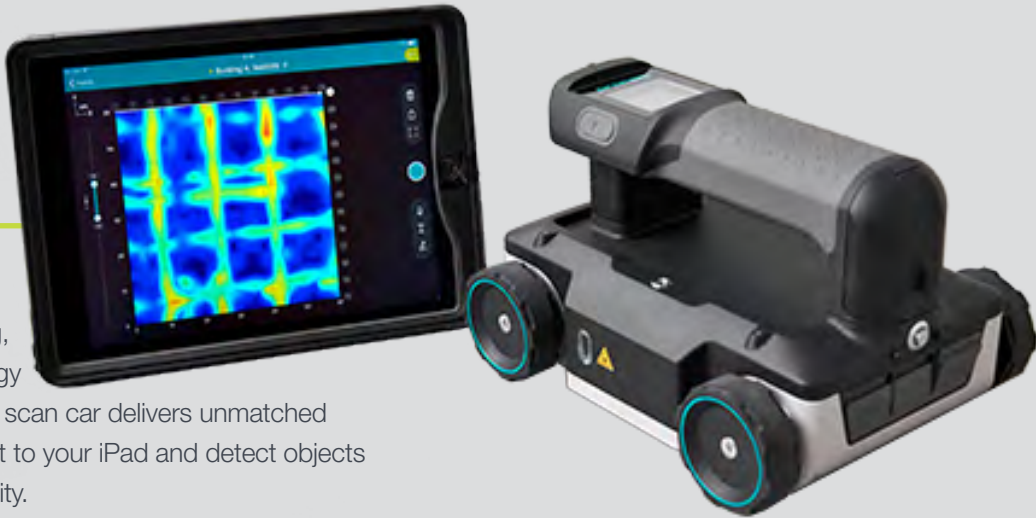
Compact probe design

The compact Proceq GPR Live is built into a lightweight and robust housing. Ensuring best measurement results even when used in challenging environments. The probe operates with standard chargeable AA batteries to guarantee smooth air travels and easy battery replacements worldwide.

APPLICATIONS

- Quality assessment and uniformity
- Locate rebars before drilling, cutting and coring
- Conformity check of new buildings
- Investigation on unknown structures
- Spot check of cover and rebar size
- Complete imaging of rebar geometry
- Thickness measurement from a single side

Technical Data	
Display	Any compatible Apple® iPad
Memory	Up to 512 GB
Connections	Wi-Fi to Apple tablet, USB for Wi-Fi module
Reporting software	Export options: Measurement (scan), Snapshot (jpg), Table (csv)
Measurement Modes	Line Scan and Area Scan
Review modes	Non-Migrated Scan, Migrated
Measuring principle	Stepped Frequency Continuous Wave GPR
Frequency range	0.2 to 4.0 GHz
Maximum peak power	-10 dB
Maximum depth range	70 cm / 28 inch

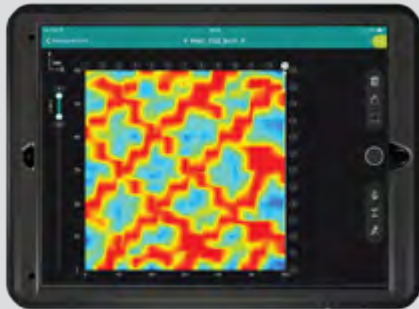


USER INTERFACE

The Software and Interface is easy to use, easy to learn and easy to attempt. It has innovative hardware, advanced software and a user friendly interface. The Proceq GPR Live is just as friendly to use as a camera. All that needs to be done is to press the large button to start the real time scan and get the results.

Imaging to simplify daily operation

The Proceq GPR Live iOS app is designed to simplify the entire concrete assessment process. As an example, the integrated wizard assists you with sound feedback during area scans. Another great feature which makes the life of every operator easier is the intuitive object identification marker.



HOW RESULTS CAN BE SHOWN

After the scan is performed the results can be shown in multiple ways:



Standard Non-Migrated Scan

Shows an image that will present when rebars are detected



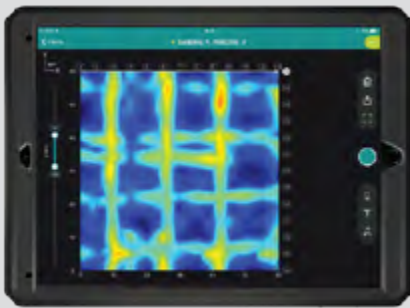
Intuitive Migrated 'Heatmap'

Shows an image that will present when rebars are detected



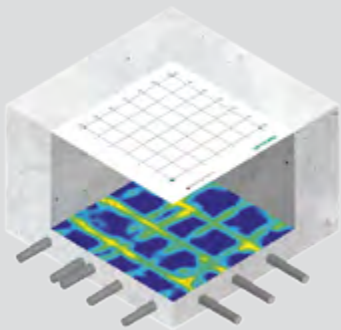
On Site 3D View

The Proceq GPR Live also has a 3D view to enable users to understand the scanned underground structure easily and more intuitively.



Depth Slice/Time Slice

Using the area scan, the function of time slice and depth slice can be utilised. Allowing the user to slide through different depths to see what it looks like on each level



Log Book

The log book function records all the activities associated such as measurements, it can add GPS location, pictures of the object or even voice notes, it provides 100% traceability and is extremely useful for reporting.



EXITPOINT XL300

Accurately detect exit points before drilling and coring with the Zircon® ExitPoint XL300 through-hole drill guide. The XL300 is the easiest and fastest way to locate a precise spot, without measuring, before you start your project. Scans through most types of non-magnetic building materials, such as wood, drywall, gypsum panels, bricks, and poured concrete up, to 30 cm thick.

This simple, yet effective, tool saves time and money by reducing guesswork, rework, and unnecessary holes. Ideal for cable and wire installations, concrete scanning, and anytime through-hole drilling is required.

Affix the transmitter magnet on the spot to be drilled, then scan the vicinity of the other side of the wall with the receiver. When the receiver is near the centre of the transmitter, and the field strength is strong, the receiver will light red.

FEATURES:

Two scan modes:

- Normal mode: Scans through conventional interior walls up to 11 cm thick
- DeepScan® mode: Scans through materials up to 30 cm thick

Includes:

- Receiver
- Small and large transmitter magnets (2)
- Reusable adhesive discs (9)
- AAA batteries (3)
- Quick Reference Guide
- Protective carrying case.

Note: Tool does not detect hidden objects behind the wall. Must use other information sources to locate, and avoid, objects behind surface before drilling.

[Buy the Exit Point XL300 Here](#)



Technical Data	
Dimensions	241 x 59 x 42 mm
Weight	229 g without batteries
Battery Type	3 x AAA
Position Accuracy	± 13 mm
Depth	Normal mode up to 115 mm DeepScan® up to 300 mm
Operating Temp	-7° to 41°C
Storage Temp	-29° to 66°C
Humidity	5-90%, non-condensing

METALLISCANNER M40

MetalliScanner™ m40 quickly and easily detects metal in wood, drywall, paneling, tile, stucco, plaster, concrete, and other non-metallic surfaces. It locates ferrous (magnetic) metal up to 10 cm deep and non-ferrous (non-magnetic) metal up to 5 cm deep.

The m40 solves the problem of finding studs in lath and plaster walls, that do not contain metal mesh, by finding the pattern of nails that attach the wood lath to the studs. MetalliScanner™ m40 finds plumbing, ductwork, rebar, nails, and screws in your walls, floors, and ceilings, and is great for scanning reclaimed lumber for hidden metal.

The m40 features two scanning positions, each with a progressive LED display. As it approaches a metal object, the red LEDs progressively light from the bottom up. The top lighted blue coil and an audio tone indicate when a metal target is located.

FEATURES

- Detects ferrous and non-ferrous metals in most non-metallic surfaces
- LED arrays indicate signal strength
- Blue coil and audio tone indicate when metal target is located
- Two scanning positions:
- Pin Point Scan locates small objects, including screws and nails
- Wide Scan detects metal in walls or concrete
- Ideal for lath and plaster walls without metal mesh

[Buy the M40 MetalliScanner Here](#)

Technical Data	
Dimensions	194 x 120 x 25 mm
Weight	111 g without batteries
Battery Type	Type 9V alkaline (not included)
Depth	13 mm Rebar: 102 mm 13 mm Copper pipe: 51 mm
Operating Temp	-7° to 41°C
Storage Temp	-29° to 66°C
Humidity	5-90%, non-condensing
Water Resistant	No





METALLISCANNER MT7

The MetalliScanner™ MT 7 electronic metal locator is designed for finding metal in standard residential, commercial, and industrial construction. The bright, backlit display indicates the metal target depth (in both inches and centimeters) up to 15 cm deep, the type of metal located (ferrous or non-ferrous), and whether you are moving towards or away from a target. This powerful tool saves time and money by eliminating guesswork, rework, needless holes, and costly broken drill bits or saw blades.

The MT 7 helps map the grid to avoid any metal, such as rebar, through any nonmetallic construction material, including concrete, tile and marble. Other recommended uses include locating and reinforcing rebar in masonry, measuring subsurface nail spacing in roofing material for compliance with building codes, and even detecting the nails/tacks in studs behind lath and plaster walls.

FEATURES

- Two scanning modes: Normal Scan, DeepScan®
- Locates and determines the approximate depth of 13 mm rebar and copper pipe up to 15 cm deep
- Position accuracy to within ± 13 mm for #4 rebar or 13 mm copper pipe
- Automatically differentiates between magnetic metal (such as rebar) and non-magnetic metal (such as copper pipe)
- Back lit display and audio tone clearly indicate location of target
- Pivoting handle attachment for extended and overhead reach
- Rubberized handle and built-in lanyard loop
- Can be attached to optional extension pole accessory (not included)

[Buy the MT7 MetallsScanner Here](#)

Technical Data	
Dimensions	246 x 107 x 51 mm
Weight	308 g without batteries
Battery Type	9V alkaline, required
Position Accuracy	Centre of #4 (13 mm) rebar or 13 mm copper pipe at a minimum grid spacing of 152 mm typically within 13 mm
Depth	Up to 152 mm ± 25 mm
Operating Temp	-7° to 41°C
Storage Temp	-29° to 66°C
Humidity	5-90%, non-condensing
Water Resistant	No



METALLISCANNER MTX

The MetalliScanner® MT X metal locator is designed to find metal in standard residential, commercial, and industrial construction. It is calibrated to locate rebar up to 15 cm deep.

Choose from two scanning modes depending on the environment to be scanned. Normal Scan for shallow rebar placed in tight grid patterns and DeepScan® for deeper pieces of pipe or rebar.

FEATURES

- Use to find or avoid rebar in concrete before drilling.
- Large blue transfective backlit LCD screen for easy viewing, even under direct sunlight
- Center and Signal Strength Indication of metal up to 15 cm deep
- Battery Strength Indicator continuously displays the battery level and will flash when the battery level is too low for operation
- Ergonomic handle with Patented Pivot Pinch Grip design
- Integrated marker system to mark target location
- Pivoting handle attachment for easier scanning included
- Water and dust resistant

Technical Data	
Dimensions	238 x 131 x 72 mm
Weight	454 g without batteries
Battery Type	3 AA alkaline, required
Position Accuracy	Centre of #4 (13 mm) rebar at a minimum grid spacing of 150 mm typically within ± 13 mm
Depth	Up to 150 mm
Operating Temp	-7° to 41°C
Storage Temp	-29° to 66°C
Humidity	5-90%, non-condensing
Water Resistant	Splash and water resistant, not waterproof





### RD7100 CABLE AND PIPE LOCATOR

The RD7100 range is built for performance, quality and durability. Containing the most advanced locating technologies it is optimised for the challenges of locating a particular utility. Integrated GPS and usage logging options automatically generate data for work reports, or in-house quality and safety audits, to promote best working practices.

Accurately locating and marking buried assets ensures minimum downtime during repair or maintenance activities. It also prevents damage which can be costly for both you and your customers. RD7100 offers the power of Radiodetection's most advanced locating technologies, with each cable locator model optimized for a specific industry.

#### FEATURES

- Guidance Mode: allows you to rapidly find and follow the path of a buried utility.
- Peak+™ Mode combines accuracy with speed
- GPS equipped RD7100 locators automatically capture key locate parameters every second, providing a comprehensive picture of individual locates and allowing you to assess usage patterns over periods of a year or more.
- Power Filters™ pinpoint and discriminate between power cables (PL models): With a single key press you can now utilize the harmonic properties of power signals to establish if a signal comes from one source, or from multiple cables, then trace and mark their routes.
- Li-Ion rechargeable battery options: Lithium-Ion rechargeable battery options for both locator and transmitter provide extended runtime with reduced running costs.

