Leica ULTRA
Precision utility tracing

- when it has to be **right**

Leica
Geosystems

Leica ULTRA –
Precision locating, for utility tracing

The complexity of underground utility networks are continually increasing. So obtaining precise information on the location of buried utilities has never been more important. The protection of buried assets during excavation work demands accurate mapping and surveying of existing utilities.

The Leica ULTRA provides our most advanced precision utility tracing system. Intelligent signal processing has been integrated with unique flexible operating modes, to help save you time and increase confidence in your results. Selectable antenna and customized frequencies optimizes your instrument for site specific applications, supported by our AIM system which monitors signal interference levels, recommending which mode to use for the best results.

AIM

Ambient Interference Measurement (AIM)

When working in congested environments, external interferences can affect the effectiveness of utility tracing. To guard against interference, the Leica ULTRA incorporates advanced Ambient Interference Measurement (AIM), which analyzes the surrounding area for noise and recommends the best frequencies for accurate utility tracing.

Offset measuring

There will always be an occasion when the utility runs close to, or underneath an obstruction. With Offset Measuring, the Leica ULTRA can locate the target line if not directly accessible from above. The function uses the available data to estimate the horizontal and vertical (depth) distance.

Transmitter to receiver link

Advanced communication link between the Leica ULTRA receiver and transmitter, enables you to control the transmitter directly from the receiver. Work smarter and at greater distances to help achieve best practice while reducing time spent walking to the transmitter.
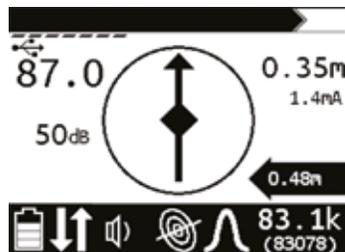
LARGE CLEAR DISPLAY
- Large backlit high visibility LCD screen
- Clear display provides clear, improved and confident location and utility tracing

CUSTOM FREQUENCIES
- Configure for site specific applications
- User configurable modes from 50 Hz to 200 kHz
- Choose from 100 pre-selected frequencies or customize your own frequencies

COMPASS
- Shows the user the direction of the utility he or she is locating / tracing

BLUETOOTH®
- Enable wireless communications with software running on a laptop, survey field PC or other GPS enabled device

INCREASED TRANSMITTER POWER OUTPUT
- Choose between 5W and 12W transmitter power outputs for superior tracing performance

BUILT FOR THE MOST DEMANDING ENVIRONMENTS
- IP65 protection
- Fulfills the toughest standards - shock resistant, protected against water and dust ingress

SELECTABLE ANTENNA CONFIGURATION
- Configure antenna to best optimize for your job site
- Select between more range, sharper response, noise cancelling or easier sweeping

DIRECTION ENABLED
- Identifying your target utility among multiple parallel utilities
- Apply a special direction enabled signal from the transmitter, the receiver will display an arrow on the compass heading to guide you along the designated utility path

Unlock the power

Configure the Leica ULTRA for site specific applications. Custom build your receiver and transmitter.

Choose from over 100 preselected frequencies, or customize your own frequency for highly specialized applications.

Automatically capture the instrument's location data to ensure adherence to best practice. The data logging feature allows the user to record external GPS coordinates and download with the data file as a KML or CSV format. Upload into GIS systems or Google Maps to confirm where, when and how the work was performed.

Leica Geosystems - when it has to be right.

Revolutionizing the world of measurement and survey for nearly 200 years, Leica Geosystems creates complete solutions for professionals across the planet. Known for valuable products and innovative solution development, professionals in a diverse mix of industries, such as aerospace and defense, safety and security, construction, and manufacturing, trust Leica Geosystems for all their geospatial needs. With precise and accurate instruments, sophisticated software, and dependable services, Leica Geosystems delivers value every day to those shaping the future of our world.

Leica Geosystems is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications.

Swiss Technology
by Leica Geosystems

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Flyer

Leica Digicat i-Series
Brochure

Leica Digicat xf-Series
Brochure

Construction Tools
Catalogue

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