Product brochure

Leica Ultra / DT100

Cable and pipe locating training - 1 day



Original Leica DT100 photograph. Equipment and the scope of exercises are agreed before training.

A signal is the start of the job. We connect receiver operation with method selection, signal application and judging the reliability of a result. Exercises reflect participants' actual tasks and the agreed equipment.

1 day

Adapted to the group and its tasks

Ultra / DT100

DD120 and DD175 also by agreement

Power / Radio

Active methods, sondes and Trace Rod

Original programme preparation and translation: geoscanners.pl. Device specifications from Leica Geosystems.

Photos: Leica Geosystems / Hexagon and the GeoScanners archive.

Training programme

From site reconnaissance to a justified result

The order and balance of topics are adapted to one day, the group's experience and available utilities. Topics do not necessarily receive equal practice time.

01 Preparation and survey planning

Check equipment, batteries and accessories. Review records, define the objective and plan how to examine the site.

02 Power and Radio: capabilities and limits

Effects of loading, screening and interference. No reading does not prove that no utility is present; a strong signal still needs its source checked.

03 Direct (galvanic) connection

Transmitter use, frequency choice and signal return path. Practice only on suitably prepared objects authorised for the exercise.

04 Induction and induction clamp

Transmitter and clamp positioning, access to the utility, coupling checks and separating neighbouring lines.

05 Low-, medium- and high-voltage cables

Surface locating and network-related limitations. Voltage class does not guarantee detection; a locator does not confirm electrical safety.

Product training does not confer electrical work qualifications. Specialist scope and access to utilities are agreed beforehand.

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Practice and organisation

Pipes, difficult signals and specialist tasks

06 Water, gas and telecommunications

Metal pipes, tracer wires and conductive elements. Bare optical fibre and empty plastic pipes require another signal source or method.

07 Point sonde locating; line Trace Rod tracing

Successive positions of a separate sonde versus the active rod route. Access, bends, insertion length and ground conditions.

08 Checking the route and depth

Compare passes, frequencies and approach directions. Field distortion, branches, marking the result and explaining uncertainty.

09 Cable faults and supplementary GPR

Practical fault finding requires compatible equipment, such as Ultra Advanced and an A-frame. GPR demonstration by agreement; full GPR training is separate.

A separate offer for owners of equipment purchased outside GeoScanners. PLN 4 000 net / PLN 4 920 gross + travel. Travel is quoted individually before ordering.

When you buy a locator, signal transmitter or kit priced above PLN 15,000 including VAT, one day of training at your premises is included in the equipment price. Other equipment purchases include free training in Kraków or Warsaw. Training at your premises can also be arranged with an individual quotation. The date, group size and scope are agreed before the session.





Leica Ultra: shop material. GeoScanners archive: UMK student field practice with DS2000. This historical photo documents experience, not a mandatory GPR module.

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GeoScanners
SKLEP INTERNETOWY

Let us discuss your task

Agree the programme, equipment, group size, venue and travel cost with us. We tailor the training to the work your team does.

- when it has to be right Leica Geosystems HEXAGON





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