

Leica DT100 and DE100

Outstanding utility detection at your fingertips



leica-geosystems.com



- when it has to be **right**

Leica
Geosystems

Leica DT100 Precision Locator

Introducing the new Leica DT100, created to redefine the standard for precision locators, delivering a robust solution designed to meet the high expectations of industries like construction, utilities, and surveyor companies.

Paired with the DE100 transmitter address key market demands, including high accuracy, ease of use, and real-time feedback. With its intuitive interface allows operators to quickly perform complex location tasks with precision, making it accessible to both experienced and new users alike.

Its ergonomic design allows users to acquire easily over long periods of use, providing an optimized user experience and maximum flexibility in surveying. The system locates underground utility lines with the highest accuracy thanks to its intelligent signal processing with unique flexible operating modes; this advanced system locates the underground utility network with outstanding precision and reliability providing users with ease and flexibility across all the surveying workflow.

MAIN FEATURES

- LCD colour screen with intuitive and unique UI/UX
- Frequency Analyzer Tool to identify the best frequency to use in the field
- Locate Mode (Single, Twin and Null) and Sweep Mode (Omnidirectional)
- Comfortable soft-touch keypad for enhanced tactile feedback with each button press
- Ergonomic design for well-balanced device (less than 2kg)



Powerful Performance, Simple Interface

The new approach to displaying peak and null signals is not only easy to understand but guarantees reliable and accurate identification of the user to be searched for.

Thanks to the frequency analysis tool, the user is guided in a simple and intuitive way, in choosing the best frequency to use in that specific environment.

All this combined with the possibility of being able to count on a menu translated into multiple languages, makes the Leica DT100 a tool that allows users to start working immediately without extensive training.

Leica DE100 Signal Transmitter

Leica DT100 system is integrated with the DE100, a 10-watt signal transmitter capable of delivering up to 1A of maximum current, enhancing signal transmission along utilities. It features dual output ports, allowing for the connection of two accessories simultaneously. The preferred accessory can be selected with the press of a single button.

Furthermore, thanks to the information showed on the embedded display, it is possible to immediately evaluate whether the signal flow correctly within the utility.

MAIN FEATURES

- 10 Watt transmitter capable of delivering up to 1A of Current
- Dual-output port to connect two accessories simultaneously
- Frequency range from 256Hz to 200kHz
- Capability to alert the user to the presence of hazardous voltages
- High contrast display with comfortable soft-touch keypad



All the Information You Need to Ensure Reliability and Safety in Your Work

The embedded display is able to show the current, voltage and impedance values of the circuit created with the line to which the system has been connected. This is helpful to identify the quality of the located signal.

Combined with the signal frequency analyser, it allows the user to have an accurate view of the environment and the quality of the signal delivered.

In addition the transmitter is able to alert the presence of hazardous voltages.

The Leica DE100 will check for the presence of High Voltage on the output ports promptly alerting the user if a voltage potentially lethal to the user is measured.

Everything you need, is in one bag

The new Leica DT100 and DE100 system is equipped with all the accessories necessary to carry out field work.

From the connections leads with removable head, to the availability of 2 different earth poles, passing through a clamp that can be used both as a transmitter clamp and as a receiver clamp, there is everything you need to be able to carry out your construction site activities without worrying about carrying other instruments in the field.



Worldwide Customer Support

Leica DT100 is covered by a worldwide efficient customer support. Training on the field, periodic calibration, product upgrades and other services are accessible and available on a global scale to meet customer needs.

Experience uninterrupted performance

Leica DT100 and Leica DE100 devices are supplied with Lithium rechargeable battery packs. These batteries provide extended operation even in extreme temperature conditions. Alkaline battery trays are also supplied for user preference or emergency use.

Leica Geosystems – when it has to be right

With more than 200 years of history, Leica Geosystems, part of Hexagon, is the trusted supplier of premium sensors, software and services. Delivering value every day to professionals in surveying, construction, infrastructure, mining, mapping and other geospatial content-dependent industries, Leica Geosystems leads the industry with innovative solutions to empower our autonomous future.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 24,000 employees in 50 countries and net sales of approximately 5.2bn EUR. Learn more at hexagon.com and follow us @HexagonAB.

Copyright Leica Geosystems AG, 9435 Heerbrugg, Switzerland. All rights reserved. Printed in Switzerland – 2024.
Leica Geosystems AG is part of Hexagon AB. 000000en – 00.19