# Leica DS4000

## See More, Reach deeper




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View the Leica DS4000 at Contractors-Tools.com: **Leica DS4000 utility detection radar**

# Leica DS4000 Utility Detection system

Beneath the ground lies a tangled network of cables and pipes. As urban spaces – and the ground beneath them – grow more congested, advanced underground detection systems have become essential for reducing risk before breaking ground. Experience unmatched resolution and extraordinary depth investigation with the Leica DS4000, powered by revolutionary, patented EsT technology.

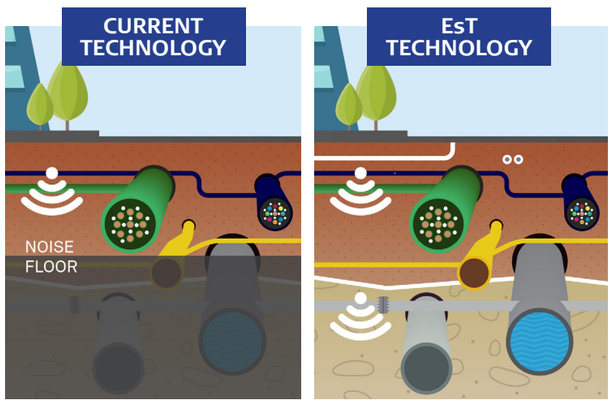
The Leica DS4000 Utility Detection Radar can identify underground assets up to 60% deeper than traditional systems. By integrating the patented Equalised Scrambling Technology (EsT), DS4000 detects underground utilities more clearly at both shallow and deeper levels, revealing all potential threats and difficultly seen underground objects such as fibre optic cables.

The DS4000 delivers a clear overview of underground pipe networks, enhancing worker safety by precisely locating utilities and helping to prevent excavation strikes, and minimize disruption for communities.

## MAIN FEATURES AND BENEFITS

- See more, Reach deeper: EsT patented technology extends your detection range
- Lightweight (20 kg | 44 lb), modular and compact design for effortless data collection
- "Quick Scan Mode" streamlines field operations, saving time and reducing costs
- uMap, on-field software, allows real time on-site marking and digitalization of detected anomalies
- Easy switch polarization of the antenna (HH and VV) to ensure an optimal performance
- Streamline your workflow by creating and finalizing reports directly on-site






**EsT - Equalized scrambled Technology: a premium technology made accessible**

DS4000, powered by patented EsT technology, delivers an unparalleled detecting performance providing the best data quality and boosting penetration depth by 40% to 60% compared to traditional devices.

With crystal-clear results across an extended depth range and the highest resolution available through the use of a single device, Leica DS4000 ensures an accurate detection of underground utilities, maximizing pipe network detection for peace of mind.

**Height-adjustable antenna**
The dual-frequency antenna mounting system is designed to easily overcome obstacles and allow effortless height adjustment.

**Hot swap technology for power supply**
Hot swap technology enables uninterrupted data acquisition throughout the entire workday.




**Large handle**
Ensuring a perfect grip and a superior maneuverability.

**Foldable handlebar**
Making deployment and storage of the system easier. Leica DS4000 can be easily maneuvered and transported by a single operator.



**Dimension (in use)**
750x625x1000 mm | 30x25x40 in
**Dimension (folded)**
750x625x420 mm | 30x25x17 in

**No-limit to data collection and easy management.**

DS4000 employs Hexagon's latest software technology solutions: uMap and IQMaps.

Field software uMap, with its Quick Scan mode, allows for faster collection and easy management of data. IQMaps post-processing software enables advanced analysis of GPR data.



## DS4000 ACCESSORIES

**External positioning support**

Support interface for mounting GNSS or Total Station reflector.





**Hard shipping box**

A robust solution for safe transportation of the DS4000 system.

**Off-road wheels**

Rugged wheels designed for a reliable performance on challenging terrains.



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**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.

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