

# Leica DS2000

## Uncovering more data



There's a lot going on underground that you need to know about. The Leica DS2000 Utility Detection Radar easily detects and positions deep and shallow targets simultaneously, collecting more information, faster, in any environment. Data gathering and export of any underground utility, from fibre optics to storm sewers, is made possible with the DS2000.

Combined with the Leica CT2000 field tablet, the GG03 or the GPS60 smart antenna, the Digicat intelligent cable locators and Digitex transmitters, the DS2000 is part of the complete Leica Geosystems detection and underground mapping solution that will enhance your business by making it faster and more efficient.

### KEY BENEFITS

- Complete detection and underground mapping solution: utility detection radar + GNSS/GIS smart antenna + intelligent cable locator and transmitter + field tablet
- Dual-frequency antenna to detect deep and shallow targets simultaneously
- Easily collect and understand detailed data with the DS2000's simple and intuitive software
- Simple data storage and export to continue working on the post-processing at the office
- Effortlessly maneuver around the most challenging sites with the DS2000's advanced ergonomics
- Expert knowledge of Leica Geosystems with more than 270 service centers worldwide
- PROTECT by Leica Geosystems - the strongest warranty in the market

# Leica DS2000 Utility Detection Radar



## DUAL-FREQUENCY ANTENNA

|                             |                          |
|-----------------------------|--------------------------|
| Antenna footprint           | 40 x 50 cm               |
| Hardware channels           | 2                        |
| Antenna central frequencies | 250 MHz and 700 MHz      |
| Antenna orientation         | Perpendicular, broadside |
| Sampling frequency          | 400 kHz                  |

## DATA ACQUISITION

|  |  |
|--|--|
| Acquisition speed                              | More than 10 km/h                      |
| Scan rate per channel for 512 samples per scan | 381 scans per second                   |
| Scan interval                                  | 42 scan per metre                      |
| Positioning                                    | 2 integrated encoders - GPS and/or TPS |

## CONTROL UNIT

|                             |   |
|-----------------------------|---|
| Power consumption / supply  | 13.3 W / Rechargeable SLAB (Sealed Lead Acid Battery)<br>12 V DC, 12 Ah |
| Operating temperature range | -10° C to +40° C  |
| Weight                      | 27 kg   |
| Protection                  | IP65  |

## Complete detection and underground mapping solution



### START TODAY

Contact your Leica Geosystems distribution partner for more information on the Leica DS2000 and other detection solutions.

PROTECT is subject to Leica Geosystems' international manufacturer warranty and the general terms and conditions for PROTECT. For more information visit: [leica-geosystems.com/protect](http://leica-geosystems.com/protect)

Illustrations, descriptions and technical data are not binding. All rights reserved. Printed in Switzerland  
Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2016. 847630enus - 03.20

**Leica Geosystems AG**  
[www.leica-geosystems.com](http://www.leica-geosystems.com)



- when it has to be **right**

**Leica**  
Geosystems