

# 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 centres 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                      | 24 kg   | 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. 847629en - 06.16

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



- when it has to be **right**

**Leica**  
Geosystems

# Leica DS2000

## Uncovering safer, faster, more



There's a lot going on underground that you need to know about before you ever start to dig. The Leica DS2000 Utility Detection Radar finds all potential threats, including non-conductive pipes and fibre optics, increasing safety by lowering the risk of accidentally hitting underground assets.

Increase safety, speed up work and lower asset management costs with the ability to prevent hazardous outages and collect more information. The DS2000 betters your business by making it safer, faster and more efficient.

### KEY BENEFITS

- Increase safety when the DS2000 identifies all potential threats
- Get to assets and recover quicker from outages when you know exactly where underground utility assets are located
- Dual-frequency antenna to detect deep and shallow targets simultaneously
- Easily collect and understand data with the DS2000's simple and intuitive software and data storage
- Effortlessly maneuver around the most challenging sites with the DS2000's advanced ergonomics
- Without GPS, map onsite with no post processing needed when data is stored on the tablet
- Expert knowledge of Leica Geosystems with more than 270 service centres 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                      | 24 kg   | 27 kg |
| Protection                  | IP65  |       |



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

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

Illustrations, descriptions and technical data are not binding. All rights reserved. Printed in Switzerland - Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2016. 847605en - 06.16

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



- when it has to be **right**

**Leica**  
Geosystems