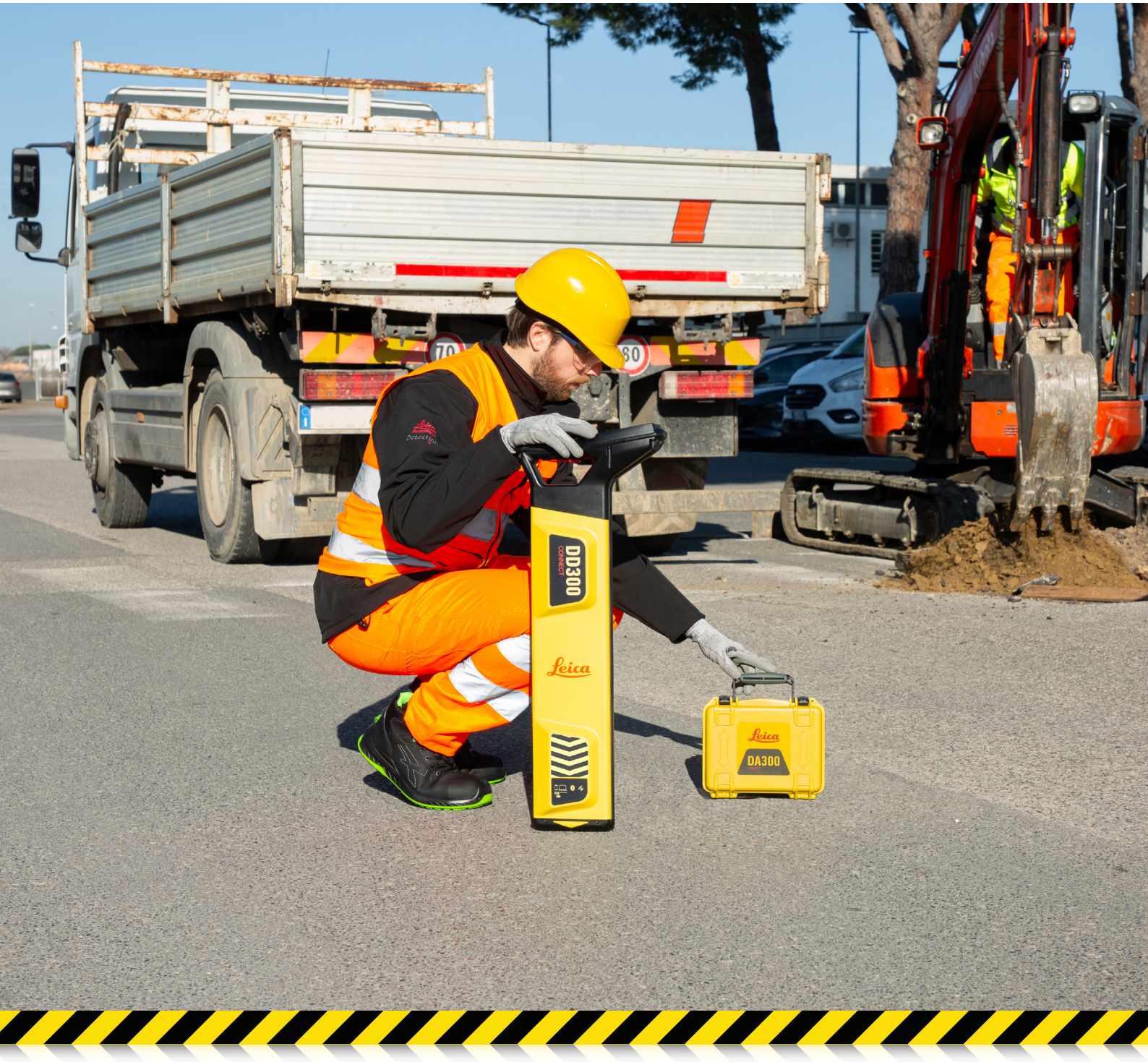
# Leica DD300 CONNECT Utility Locator Solution

## Utility Detection for All Users

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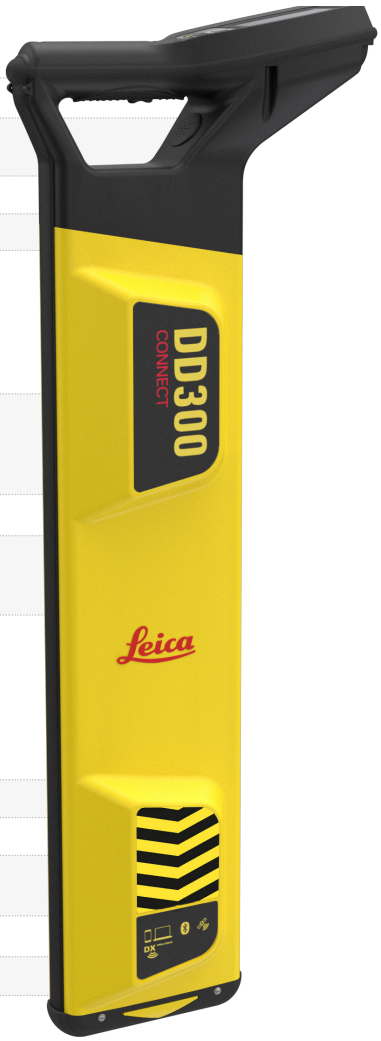
# **DD300 CONNECT** Locator
## Technical Specifications

| MODE | DD300 CONNECT |
|---|---|
| Power | 50 / 60 Hz<br>mains electrical and harmonics |
| Radio | 15kHz to 60kHz |
| Auto | Power, Radio, 33kHz |
| Transmitter Modes | 131.072 (131) kHz<br>83.078 (83) kHz<br>32.768 (33) kHz<br>8.192 (8) kHz<br>512 Hz<br>640 Hz |
| Depth Range | Line 0.1m to 7m<br>4 inches to 23 feet<br>Sonde 0.1 to 10m<br>Sonde 4 inches to 32.8 feet |
| Depth Accuracy* | 5% |
| Bluetooth | Class 2 BLE dual mode module<br>Bluetooth Classic 2.1<br>Bluetooth 4.0 (LE) |
| GPS** | Chipset (1): u-blox®GPS<br>Receiver Type: GPS L1C/A, SBAS L1C/A, QZSS L1C/A, GLONASS L1OF, BeiDou B1<br>Accuracy (2): Horizontal Position 2.5 m Autonomous, 2.0 m SBAS,CEP<br>Start time: Cold 45 s typical, Aided 7 s typical, Hot 1 s typical |
| Memory Capacity | 8 GB internal memory |
| Environmental Standard | IP65 |
| Operating Temperature | -20 °C to +50 °C<br>-4 °F to +122°F |
| Battery | 4 X LR20 Alkaline Battery - Li-Ion as Optional |
| Battery operating time *** | 10 h |
| Dimensions (HxWxD) | 765x290 x93mm<br>30.12 x11.42x3.66 inches |
| Weight with batteries | 2.86Kg<br>6.3 lbs |



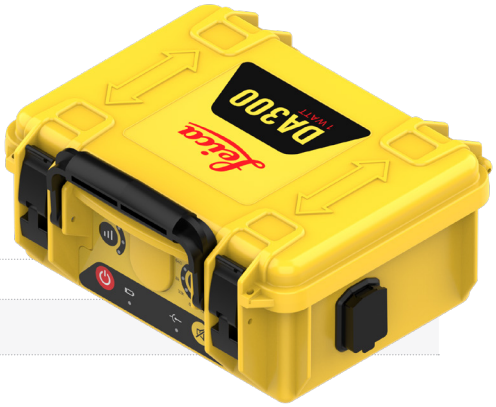

*Depth to an undistorted signal

** (1) All data/information according to manufacturer u-blox®GPS; Leica Geosystems does not assume any liability whatsoever for such information.

(2) Accuracy is dependent upon various factors including atmospheric conditions, multipath, obstructions, signal geometry and number of tracked satellites.

*** Constant use at 20°C/68°F

# **DA300** Signal Transmitter
## Technical Specifications




| MODE | DA300 |
|---|---|
| Induction Mode Frequencies | 32.768 (33) kHz / 8.192 (8) kHz |
| Power Output | Up to 1 Watt max. |
| Direct Connection Mode Frequencies | 131.072 (131) kHz / 83.078 (83) kHz / 32.768 (33) kHz / 8.192 (8) kHz / 512 Hz / 640 Hz |
| Environmental Standard | IP67 |
| Operating Temperature | -20 °C to +50 °C / -4 °F to +122°F |
| Storage temperature | -40°C to +70°C, / -40°F to +158°F |
| Battery | 4 x LR20 Alkaline Battery - Li-Ion as optional |
| Battery operating time ** | 15 h |
| Dimensions (HxWxD) | 250 x 206 x 113 mm / 9.84 x 8.11 x / 4.45 inches |
| Weight with batteries | 2.46Kg / 5.42 lbs |

**Defined at 20°C (77°F) power level 2

**TRACE RODS**
Used with the DD Locators and DA Signal Transmitter to trace the route of non metallic drains, ducts or pipes.
Trace Rod 50M / Trace Rod 80M

**TRANSMITTER CLAMPS**
Used with the DA Signal transmitter to apply a trace signal to utilities such as telecom cables, power cables and pipes. Transmitter Clamp 100mm (4") / Transmitter Clamp 80mm (3.15")

**PROPERTY PLUG CONNECTOR**
Used with the DA Signal transmitter to apply a trace signal to residential electrical supplies

**SONDES**
Used to trace the route of drains, sewers plastic pipes and ducts. Available in many sizes to cover a wide range of applications.

**Mini Sonde 33**
18mm (0.7") diameter with a 33kHz output.
Working range 7 metres (23ft)

**Duct Sonde 33**
24mm (0.95") diameter with a 33kHz output.
Working Range 5m (16.4ft)

**Midi Sonde 8/33**
38mm (1.5") diameter with an 8kHz or 33kHz output. Working Range 5m (16.4ft)

**Clamp Sonde 33**
40mm (1.57") diameter with a 33kHz output. Clamp sonde clamps onto a 12mm (0.74inch) flexible rod. Working range 5m (16.4ft)

**Maxi Sonde 8/33**
55mm (2.17") diameter with an 8kHz or 33kHz output. Working range 12m (39.4ft)

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