

# Leica DD300 CONNECT Utility Locator Solution

Utility Detection for All Users



[leica-geosystems.com](http://leica-geosystems.com)



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# DD300 CONNECT Locator

## Technical Specifications



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