Product brochure

# Leica DD175 + Mini

## Point tracing for sewers and drainage pipes




Original kit component photographs. Red fibreglass on a black stand; the carry bag is for the locator.

Leica DD175, a separate Mini Sonde 33 kHz, 9 mm / 80 m fibreglass rod and locator bag. Trace accessible sewer and drainage pipes by locating the sonde at successive points.

### 33 kHz

Separate battery-powered Mini Sonde

### 9 mm / 80 m

Fibreglass rod to guide the sonde

### DD175

Receiver with sonde mode

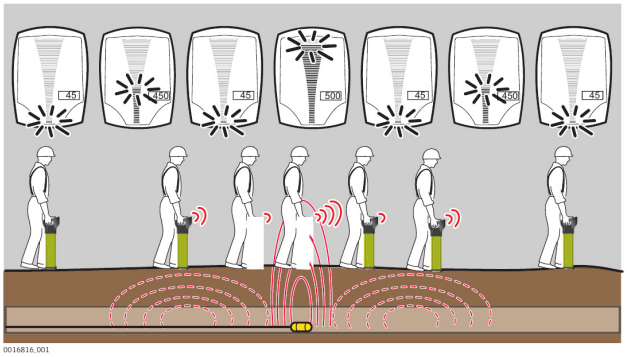
Original adaptation and translation: geoscanners.pl. Based on Leica Geosystems materials.

Photos, diagrams and data: Leica Geosystems / Hexagon. / GAMM-BUD.

Method and practice

# Find the sonde. Mark the point. Reconstruct the route.

Mini Sonde emits a signal inside an accessible pipe. The ordinary fibreglass rod only guides it. The operator locates successive sonde positions to reconstruct the pipe route.






Original Leica diagram and Mini Sonde 33, article 850288. The signal source is located, rather than the pipe material itself.

## 01 Check access and prepare the sonde

Assess the bore, bends and blockages. Check the sonde connection and battery; select the appropriate 33 kHz sonde mode on the DD175.

## 02 Insert and confirm its position

Locate the sonde from several directions and check that readings agree. Mark successive surface points rather than relying on a single signal maximum.

## 03 Record the route and its limitations

Compare the points with site records. A stopped sonde identifies its reached position, but does not by itself explain the cause or condition of the pipe.

80 m is the rod length, not a guaranteed insertion distance or detection depth. Performance depends on the pipe, ground, interference and measurement technique.

Original adaptation and translation: geoscanners.pl. Based on Leica Geosystems materials.

Photos, diagrams and data: Leica Geosystems / Hexagon. / GAMM-BUD.

# Equipment and specifications

| | |
|---|---|
| **Receiver / task** | Leica DD175 / point locating a 33 kHz sonde |
| **DD175 modes** | Power 50/60 Hz, Radio 15-60 kHz, Auto; active 8/33 kHz, 512/640 Hz |
| **DD175 power / mass** | 6 x AA / LR6; 2.7 kg including batteries |
| **DD175 dimensions / protection** | 760 x 250 x 85 mm / IP54 |
| **DD175 connectivity / storage** | Bluetooth and data logging |
| **Sonde / article** | Leica Mini Sonde 33 / 850288 |
| **Mini frequency / diameter** | 33 kHz / 18 mm |
| **Mini attachment / power** | M12 female thread / one 3.6 V battery |
| **Fibreglass on reel** | 9 mm / 80 m; red rod, black stand |
| **Locator carry bag** | Leica 872942; DD120 / DD130 / DD175 |

Includes DD175, Leica 872942 locator bag, ordinary 9 mm / 80 m fibreglass rod and Leica Mini Sonde 33 article 850288. The sonde has its own battery; a transmitter is not needed for this method and is not included. Free training in Kraków or Warsaw is included. Training at your premises is quoted individually; date and group size by agreement.

## Choose your pipe tracing method

| Configuration | Method | When to consider it |
|---|---|---|
| **DD175 + Mini 9 mm / 80 m** | Point: Mini Sonde | Economical receiver with a separate sonde. |
| **DT100 + Mini 9 mm / 80 m** | Point: Mini Sonde | Precision receiver with a separate sonde. |
| **DT100 + DA175 Trace Rod 80 m** | Line: Trace Rod | Precision receiver with an active rod. |

Mini kits reconstruct a route from successive sonde locations. This Trace Rod configuration is offered for line tracing. Every rod is 80 m; suitability depends on the pipe.

**Manufacturer documentation - specification source links**

Leica DD100 / DA175

Leica Mini Sonde 33

Original adaptation and translation: geoscanners.pl. Based on Leica Geosystems materials.

Photos, diagrams and data: Leica Geosystems / Hexagon. / GAMM-BUD.

GeoScanners
SKLEP INTERNETOWY

# Let us discuss your task

Equipment selection, demonstrations, training and support after purchase. Direct contact with a GeoScanners adviser.

- when it has to be right Leica Geosystems HEXAGON






**Dr Eng Michał Dąbrowski**

+48 796 837 252

michal.sklep@geoscanners.pl

Kraków

**Eng Tomasz Dąbrowski**

+48 505 655 881

tomasz.sklep@geoscanners.pl

Warszawa


## Contact our team

**sklep.geoscanners.pl**

sklep@geoscanners.pl


Original adaptation and translation: geoscanners.pl. Based on Leica Geosystems materials.

Photos, diagrams and data: Leica Geosystems / Hexagon. / GAMM-BUD.