Product brochure

Leica DT100 + DA175

Trace Rod 80 m: line tracing pipes









The manufacturer photo represents the Trace Rod 50/80 family and has a 50 label. The offered rod is 80 m. Original photographs; equipment markings are unchanged.

Precision DT100 receiver, DA175 1 W transmitter with connection leads and earth stake, 80 m Trace Rod and system bag. A system for line tracing accessible PE, PVC and vitrified clay pipes.

DT100

Versatile precision receiver

DA175 / 1 W

Economical signal source

Trace Rod / 80 m

Follow the active rod route

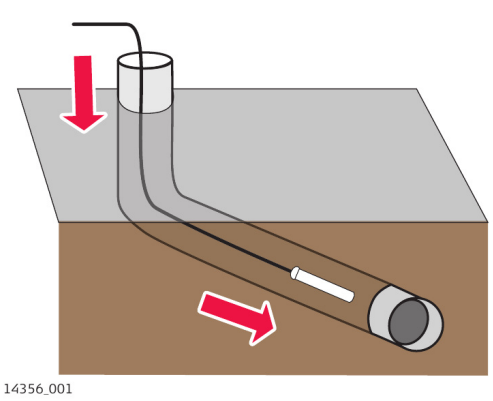
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Photos, diagrams and data: Leica Geosystems / Hexagon.

Method and practice

Apply the signal. Follow the rod route.

An active Trace Rod is inserted into an accessible PE, PVC or vitrified clay pipe. The DA175 supplies the signal for the line configuration, and the DT100 follows the introduced rod.





Original Trace Rod pipe diagram and DT100 field photograph. This selected configuration is promoted for line tracing.

01 Check conditions and choose the setup

Confirm safe access to the pipe and the ability to insert the accessories. Select a matching receiver and transmitter frequency suitable for the rod.

02 Apply the signal as instructed

Use the connection leads and earth stake for the line configuration. Check the signal path and its interaction with neighbouring utilities.

03 Confirm the route with repeat passes

Follow the active rod, check changes in readings and mark the route. For point-by-point control of a separate Mini, choose the sonde configuration.

80 m is the rod length. The typical Trace Rod detection depth of about 3 m depends on conditions; the DT100 receiver specification does not guarantee a greater range for this kit.

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Equipment and specifications

Receiver / frequency band	Leica DT100 / 50 Hz-200 kHz
DT100 power / mass	6 x AA; AA holder / 2.1 kg with batteries
DT100 protection / wireless	IP65 / Bluetooth Low Energy
Transmitter / output	Leica DA175 / up to 1 W
DA175 frequencies / power	8.192 and 32.768 kHz (8/33 kHz) / 4 x LR20
Included DA175 accessories	Crocodile connection leads and earth stake
Trace Rod / article	80 m / 850279
Rod / tip diameter	4.5 mm / 8 mm
Pipes / typical detection	Accessible non-conductive pipes up to 100 mm / about 3 m, subject to conditions
Bag / method	Leica 1005585 / line tracing

GeoScanners-selected kit: DT100 with AA holder, bag 1005585, DA175 with crocodile connection leads and earth stake, and 80 m Trace Rod. Compatibility follows shared frequencies; this is not the factory DT100 + DE100 kit. One day of training at the customer's premises is included in the kit price. Date, group size and scope 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 DT100

Leica DA175 / Trace Rod

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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





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