

Leica DD120 & DD130 Pipe & Cable Locators



Avoiding underground cables and pipes is a major concern on construction sites. Therefore, detecting the position of buried cables and pipes before excavation work can help prevent operator injury, asset damage risks and any subsequent costs.

Features – DD120

- Automatic pinpointing
- Power, radio, auto modes
- Transmitter, 33 kHz, 8 kHz
- Depth detection up to 3 metres
- Good-to-Go™ health check and start up test
- IP54 rating - protection from dust and water

Features – DD130

- Extended trace range with additional 512 Hz, 640 Hz frequencies
- Signal current measurement
- Increased depth detection up to 10 m

Technical Specifications

Part Number	Description	
Mode	DD120	DD130
Power	50Hz model or 60Hz model	50Hz model or 60Hz model
Radio	15kHz to 60kHz	15kHz to 60kHz
Auto	Power, Radio, 33kHz	Power, Radio, 33kHz
Transmitter Modes	32.768 (33) kHz 8.192 (8) kHz	32.768 (33) kHz & 8.192 (8) kHz 512 Hz & 640 Hz
Depth Range	Line 0.3m to 3m Sonde 0.3m to 3m	Line 0.3m to 3m Sonde 0.3m to 9.99m
Depth Accuracy*	10%	10%
Environmental Standard	IP54	IP54
Operating Temperature	-20°C to +50°C	-20°C to +50°C
Battery	6 x LR6 (AA) Alkaline	6 x LR6 (AA) Alkaline
Battery operating time**	15h	15h
Dimensions (HxWxD)	760 x 250 y 85mm	760 x 250 y 85mm
Weight with batteries	2.7kg	2.7kg

* Depth to an undistorted signal

** Constant use at 20°C

Packing List

The delivered components depend on the package ordered

Leica DD120 & DD130 Pipe & Cable Locators

Trace Rod (non-metallic utility tracer)





Transmitter Cable Set Extension

Property Plug Connector

Transmitter Clamp

Sonde

Accessories

Part Number	Description
 850288	Mini Sonde 33, 18mm diameter 33kHz Sonde used to trace drains, sewers and other non-conductive utilities. Mini Sonde has a M12 female thread and can be attached to a range of equipment including drain rods, boring tools and inspection cameras. Powered by 1 x 3.6v battery, with a depth range of 10 meters
 850289	Midi Sonde 8/33, 38mm diameter dual frequency 8kHz or 33kHz Sonde used to trace drains, sewers and other non conductive utilities. Midi Sonde has a M10 male thread with an additional female adapter and can be attached to a range of equipment including drain rods, boring tools and inspection cameras. Powered by 1 x AA alkaline battery, with a working depth range of 5 meters
 850289	Maxi Sonde 8/33, 55mm diameter dual frequency 8kHz or 33kHz Sonde used to trace deep lying drains, sewers and other non conductive utilities. Maxi Sonde has a M10 male thread with an additional female adapter and can be attached to a range of equipment including drain rods, boring tools, and inspection cameras. Powered by 3 x AA alkaline batteries, with a depth range of 12 meters
 850291	Clamp Sonde 33, 40mm 33kHz Sonde. Clamps directly on to 12mm duct rod or the cable of a sewer inspection camera. Used to trace the route of the duct, position of the inspection camera or a blockage. Powered by 1 x AAA battery. with a working depth range of 5 meters

Transmitters

The Leica DA signal transmitters apply a signal onto underground cables or pipes that may not carry a detectable signal. The Leica DD SMART cable locators can then be used to locate the signal from the Leica DD signal transmitter.

The DA signal transmitters are compact, robust and easy-to-use. They have been designed in conjunction with the DD SMART cable locators to easily and accurately avoid, trace or locate buried cables and pipes.

- To improve the detection success.
- To trace the route of a utility.
- To make a depth or current measurement.



DA220 Signal Transmitter

1 Watt or 3 Watt options.

Compatible with; DD120 Locator DD220 SMART Locators.

Trace frequencies

8kHz, 33kHz, 131kHz and combined (33 kHz +131 kHz)

Rechargeable Li-Ion battery as standard

IP67 rating

3 Year warranty



DA230 Signal Transmitter

1 Watt or 3 Watt options

Compatible with; DD130 Locator DD230 SMART Locators.

Trace frequencies

512Hz, 640Hz, 8kHz, 33kHz, 131kHz and combined (33 kHz +131 kHz)

Rechargeable Li-Ion battery as standard

IP67 rating

Packages

Leica Detect DD120 (50Hz) Receiver & Transmitter

1 x DD120 utility locator (50Hz)

1 x DA220 1 Watt Signal Transmitter

1 x System carry bag.

Includes alkaline batteries and manuals

Leica Detect DD130 (50Hz) Receiver & Transmitter

1 x DD130 utility locator (50Hz)

1 x DA220 1 Watt Signal Transmitter

1 x System carry bag.

Includes alkaline batteries and manuals.

