Leica DT100 and DE100

Outstanding utility detection at your fingertips

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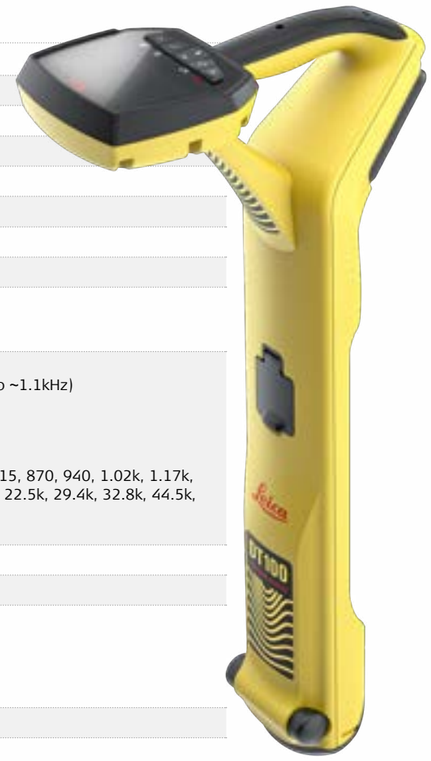
DT100 Precision Locator
Technical Specifications



MODE	DT100
Frequency Range	50Hz - 200kHz
Sensitivity	33kHz (1µA at 1m)
Dynamic Range	117dB
Max Automatic Depth	6m / 20ft
Max Pushbutton Depth	11m / 36ft
Locate Accuracy	±5% depth
Dynamic Overload Protection	60dB (automatic)
Depth Accuracy	- In line ±5% to 3m / - In line ±5% to 10ft - Sonde ±5% to 3m / - Sonde ±5% to 10ft - Passive ±5% to 3m / - Passive ±5% to 10ft
Factory Standard Frequencies (Hz)	- Power: 50,60, 150, 180, 450, 540 - Grouped Power: 50,60 (+odd harmonics up to ~1.1kHz) - Radio: bandwidth approx 13kHz - 28kHz - Cathodic: - 120Hz for 60Hz - 100Hz for 50Hz - Active: 256, 263, 440, 512, 560, 577, 640, 815, 870, 940, 1.02k, 1.17k, 3.14k, 4.1k, 8.01k, 8.19k, 9.82k, 12.1k, 16.3k, 22.5k, 29.4k, 32.8k, 44.5k, 66.1k, 88.8k, 99k, 132k, 200k - Sonde: 512, 640, 8.19k, 32.8k
Locate Direction	Any frequency from 256Hz to 10kHz
Fault-finding DE based	263Hz
Active Locate Mode	- Twin - Single Peak - Null - Twin Sweep (Omnidirectional) - Single Sweep (Omnidirectional)
Gain Control	Manual gain using “↑” or “↓” buttons
Alerts	- Strike Alert - Swing Warning - Overead Cable
Frequency Analyzer	Determines the best frequency option based on environmental interference
Autoshutdown	Selectable via settings menu
Connectivity	Bluetooth low energy (BLE)
Available accessory	Ring Clamp
Languages	22 languages user selectable: English, Spanish, French, German, Italian, Polish, Dutch, Portuguese, Russian, Swedish, Danish, Estonian, Norwegian, Latvian, Lithuanian, Czech, Finnish, Greek, Hungarian, Romanian, Chinese, Korean
Backlight	Selectable via settings menu
Units	Metric and Imperial - selectable via settings menu
Environmental Protection	IP65
Operating Temperature	-20 °C to +50 °C / -4°F to +122°F
Storage temperature	-32°C to +70°C / -25°F to +158°F
Battery	Li-Ion Battery Pack 3200mAh - 11.1V, 35.5Wh 6 X AA Alkaline Battery
Battery Life	- With Lithium: 15 hours continuous - 30 intermittent - With Alkaline: 5 hours continuous - 10 intermittent
Dimensions (HxWxD)	68x14.7x32.6 cm - 26.7x5.8x12.7 in
Weight with batteries	2.1kg - 4.8lbs

DE100 Signal Transmitter
Technical Specifications

MODE	DE100
Frequency Range	256Hz - 200kHz
Power Output	Up to 10 Watt with Li-Ion battery (1Watt above 45kHz) Up to 5 Watt with Alkaline battery
Current Max	1A - (0.5A Above 45kHz)
Voltage Max	90 V rms
Factory Standard Frequencies (Hz)	- Direct Connect and Clamp: 256, 263, 440, 512, 560, 577, 640, 815, 870, 940, 1.02k, 1.17k, 3.14k, 4.1k, 8.01k, 8.19k, 9.82k, 12.1k, 16.3k, 22.5k, 29.4k, 32.8k, 44.5k, 66.1k, 88.8k, 99k, 132k, 200k - Induction: all listed above starting at 3.14kHz
Modes	Direct Connect, Clamp and Induction
Multimeter Function	Watts, Current, Ohms and Volts
Output	Dual Output for Clamp and Direct Connect
Locate Direction	User enabled. Any frequency up to 10 kHz
Protection	High voltage isolation
Warnings	- High Voltage - up to 100 V - visual indication - Destructive Voltage - › 100 V - visual indication
Autoshutdown	Selectable via settings menu
Available accessory	Clamp and Crocodile leads
Languages	22 languages user selectable: English, Spanish, French, German, Italian, Polish, Dutch, Portuguese, Russian, Swedish, Danish, Estonian, Norwegian, Latvian, Lithuanian, Czech, Finnish, Greek, Hungarian, Romanian, Chinese, Korean
Environmental Protection	IP65
Operating Temperature	-20 °C to +50 °C / -4 °F to +122°F
Storage temperature	-32°C to +70°C, / -25°F to +158°F
Battery	Li-Ion Battery Pack 6400 mAh - 14.8V , 94.7Wh 8 x LR20 Alkaline
Battery Life	- Lithium: 17 hours continuous - 34 hours intermittent - Alkaline: 10 hours continuous - 20 hours intermittent
Dimensions (HxWxD)	21x19.3x38.1 cm - 8.3x7.6x15 in
Weight with batteries	3.6kg - 7.9lbs

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