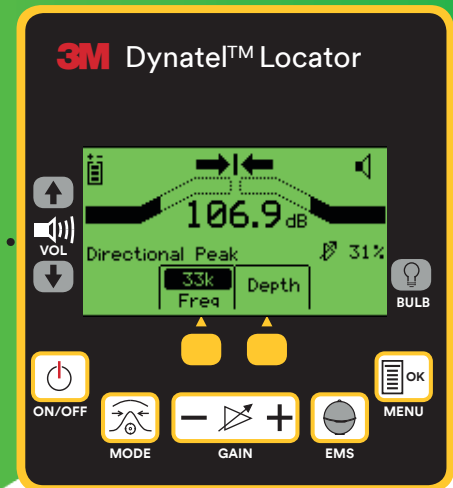


3M™ Dynatel™ Cable/Pipe/Marker Locator 2250M-iD CL Series

The latest addition to the 3M™ Dynatel™ Locator portfolio, the Dynatel 2250M-iD CL Locator is designed with simplicity in mind. It features a modified and easy-to-use interface, and maintains its high level of accuracy to locate buried pipes, cables and markers, in some of the most challenging field conditions. All features that you have come to expect with a 3M™ Dynatel™ Locator.

The Dynatel Locator 2250M-iD CL features three active trace frequencies for common everyday use, and the 3M™ EMS Marker frequencies to precisely locate utilities and communication lines for critical assets. The user can simultaneously line locate while searching for markers and select/switch frequencies with ease to increase productivity in the field, quickly.



Product Applications

- Locates pipes, cables and tracer wire
- Locates 3M™ EMS Markers (telephone, power, gas, water and general purpose)
- Detects power signals
- Locates Sondes and pipeline inspection cameras

Product Features

- Three active frequencies (577 Hz, 8 kHz, 33 kHz)
- Directional peak, directional null, special peak, special peak + EMS/iD
- Passive power, Sonde locating

Included in Package

- Dynatel 2250M-iD Receiver
- 3 Watt Transmitter
- 4 1/2" Dynatel coupler & large style utility clips
- Ground Rod
- Operating Manual
- Rechargeable battery for receiver

Receiver Specifications

Item	Specification
Modes	Directional Peak Directional Null Special Peak Special Peak + EMS/iD
Frequency Response: Active	577 Hz 8 kHz 33 kHz
Power	60 Hz
Display	LCD Gain Control Manual
Gain Control	Automatic
Weight w/batteries	4–5 lbs. (1.8–2.3 kg) (model dependent)
Battery Qty. and size	8 AA (LR6)
Battery Life	30 hours average
Depth Accuracy	±2% ± 2 in. (5 cm) for 0–60 in. (0–1.5 m) ±6% ± 2 in. (5 cm) for 60–120 in. (1.5–3.0 m) ±10% ± 2 in. (5 cm) for 120–180 in. (3.0 m–4.5 m)
Depth Range	0–360 in. (0–914 cm)
Marker depth accuracy	± 15% ± 2 in. (5 cm)
Read Range 3M™ iD Markers Near-Surface Ball Marker Full-Range	3 ft (0.9 m) 5 ft (1.5 m) 8 ft (2.4 m)
Detection Depth 3M Non-iD (Passive) Markers Near Surface Ball Marker Mid-Range Full-Range	2 ft (0.6 m) 5 ft (1.5 m) 6 ft (1.8 m) 8 ft (2.4 m)

Transmitter Specifications

Item	Specification
Trace Mode	577 Hz 8 kHz 33 kHz
Induction Mode	33 kHz
Output Power (in Direct Connect mode)	3 Watt Transmitter Model Normal setting: 0.5 W High setting: 3 W @ 577 Hz, 8 kHz, 33 kHz; 1 W @ 200 kHz
Output Voltage (Max- imum)	70 Vrms
Output Protection	240 Vrms
Weight w/batteries	w/ alkaline batteries only: 5.2 lbs (2.4 kg)
Battery Qty. and size	For Normal and High Output Power: 6 “C” size, Alkaline (LR14)
Battery Life	Normal Output Power level: 40 Hours

Environmental and Regulatory Specifications

Item	Specification
Standard	IP54
Regulatory	FCC compliant, FCC Part 15
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Storage Temperature	-4°F to 158° F (-20°C to 70°C)

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Limited Product Warranty: All 3M products, locating instruments (except accessories), manufacture dated test leads, and rechargeable batteries will conform to 3M's published specifications and will be free from defects in material and manufacture for a period of twelve (12) months from the date of purchase. Dry cell batteries included in any of 3M's products are warranted only to the extent the battery manufacturer determines such batteries are covered by its warranty. Accessories for locating instruments are warranted for ninety (90) days after purchase. 3M's obligations and liability under this warranty are limited to repairing, replacing or refund of the purchase price, at 3M's option, any of 3M's products which, after normal and proper usage, are determined by 3M to be defective. This warranty does not extend to any of 3M's products which have been subjected to misuse, neglect, accident or improper applications, nor shall it extend to products which have been repaired or substantially altered outside 3M's manufacturing or repair facility, nor to any associated instruments, equipment or apparatus. Before utilizing any of 3M's products, BUYER should determine the suitability of the product for BUYER'S intended use. **3M MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** In no case shall 3M be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability or any other legal theory. This limitation does not apply to claims for personal injury.



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80-6016-0894-8

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