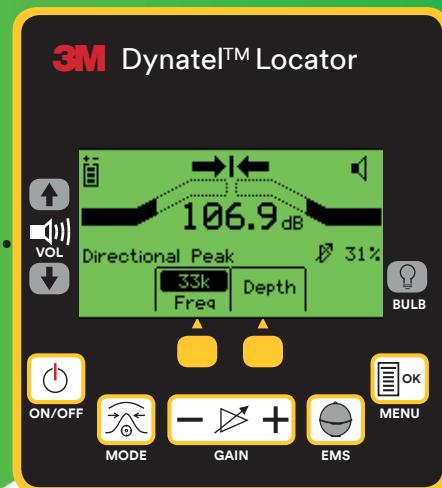


# 3M™ Dynatel™ Cable/Pipe/Marker Locator 2250M-iD CL Series

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<br>Directional Null<br>Special Peak<br>Special Peak + EMS/iD   |
| Frequency Response:<br>Active  | 577 Hz<br>8 kHz<br>33 kHz   |
| Power  | 60 Hz   |
| Display  | LCD<br>Gain Control<br>Manual   |
| Gain Control   | Semi-Automatic (Null is Automatic)  |
| Weight w/batteries   | 4–5 lbs. (1.8–2.3 kg)<br>(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)<br>±6% ± 2 in. (5 cm) for 60–120 in. (1.5–3.0 m)<br>±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<br>Near-Surface<br>Ball Marker<br>Full-Range                                   | 3 ft (0.9 m)<br>5 ft (1.5 m)<br>8 ft (2.4 m)  |
| Detection Depth 3M Non-iD<br>(Passive) Markers<br>Near Surface<br>Ball Marker<br>Mid-Range<br>Full-Range | 2 ft (0.6 m)<br>5 ft (1.5 m)<br>6 ft (1.8 m)<br>8 ft (2.4 m)  |

## Transmitter Specifications

| Item                                     | Specification   |
|--|---|
| Trace Mode                               | 577 Hz<br>8 kHz<br>33 kHz   |
| Induction Mode                           | 33 kHz  |
| Output Power<br>(in Direct Connect mode) | 3 Watt Transmitter Model<br>Normal setting: 0.5 W<br>High setting: 3 W @ 577 Hz, 8 kHz, 33 kHz; 1 W @ 200 kHz |
| Output Voltage (Maximum)                 | 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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