3M™ Dynatel™

Pipe/Cable Locators 2550
Pipe/Cable Locators 2550-iD
Cable/Pipe/Fault Locators 2573
Cable/Pipe/Fault and Marker Locators 2573-iD

Designed to be more accurate, faster and more integrated than any other locator on the market, the 3M™ Dynatel™ 2500 Series Locators and fault finders represent an advancement in locating and fault finding technology for the field professional. Offering a broad feature set with advanced digital processing, the 2500 Series locators combine simple interfaces with precision locating capabilities. All 2500 series locators offer six active frequencies and a maximum transmitter output of 12 watts providing a solution for virtually all challenging applications encountered in the field.

As with all 3M™ Dynatel™ Locator products, the 2500 series provides accurate pipe, cable or Sonde depth measurements, giving a digital readout in feet and inches, or centimeters (user-selectable). Lightweight, compact and well-balanced, these cable and pipe locators allow you to accurately and easily locate your underground plant and assets. The 3M™ Dynatel™ 2550-iD and 2573-iD have the additional capability to locate all standard electronic markers and to write, read and lock programmed information into 3M™ Electronic Marker System iD Markers. All 2500 series locators and fault finders are also compatible with select GPS/GIS field mapping instruments for real time mapping of electronic markers or pipe and cable facilities. Other user friendly features include the ability to enable or disable receiver frequencies and the ability to select audio sounds in the simple menu driven interface.

Product Features

- Trace view mapping display mode
- 6 active frequencies for direct connect
- 4 induction frequencies with maximum allowed output power
- All frequency mode in direct connect – 4 simultaneously
- Automatic impedance matching
- Ohm meter with high voltage detection
- Rugged, industrial temperature range
- 240VAC output protection
- Standard alkaline (c-cell) batteries
- Rechargeable battery kit

New to the world features in the 3M™ Dynatel™ Locators 2500 series include the trace view mapping interface that provides an intuitive mapping display showing the utility path combined with a precision peak antenna based antenna array to provide the utmost confidence in utility location.

3M™ Dynatel™ Pipe/Cable Locator 2500 Series
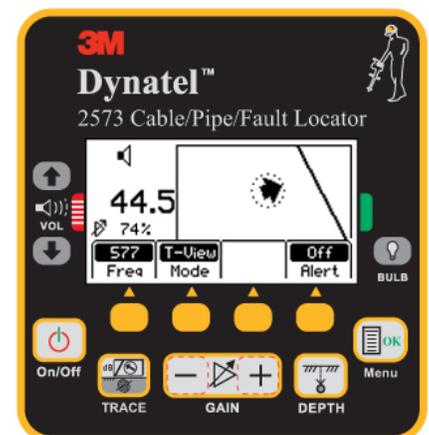
3M™ Dynatel™ Locators and Fault finders 2500 Series Ordering Information

Stock No.	Version	Cable/Pipe Locate	Earth Return Fault Locate	Eletronic Marker Locate	US Receiver	International Receiver	US 12W Transmitter	International 12W Transmitter	Direct Connect Cable - small clips	Direct Connect Cable - large clips	3" Coupler	4.5" Coupler	Coupler Cable	A Frame	A Frame Cable	Ground Rod	2200RB Rechargeable Battery	Cigarette Lighter Adapter Cable	2200M Carrying Bag	Manual
US Version Locators																				
80-6113-3450-1	2550-U12	■			■		■		■			■	■			■	■	■	■	■
80-6113-3452-7	2550-ID/U12	■		■	■		■		■			■	■			■	■	■	■	■
Export Version Locators																				
80-6113-3465-9	2550E-U12	■				■		■	■	■		■	■			■	■	■	■	■
80-6113-3466-7	2550E-ID/U12	■		■		■		■	■	■		■	■			■	■	■	■	■
US Version Fault Finders																				
80-6113-3458-4	2573-C12	■	■		■		■		■		■		■	■	■	■		■		■
80-6113-3460-0	2573-U12	■	■		■		■			■		■	■	■	■	■	■	■	■	■
80-6113-3462-6	2573-ID/C12	■	■	■	■		■		■		■		■	■	■	■		■		■
80-6113-3464-2	2573-ID/U12	■	■	■	■		■					■	■	■	■	■	■	■	■	■
Export Version Fault Finders																				
80-6113-3467-5	2573E-C12	■	■			■		■	■		■		■	■	■	■		■		■
80-6113-3468-3	2573E-U12	■	■			■		■	■			■	■	■	■	■	■	■		■
80-6113-3469-1	2573E-ID/C12	■	■	■		■		■	■		■		■	■	■	■		■		■
80-6113-3470-9	2573E-ID/U12	■	■	■		■		■		■		■	■	■	■	■	■	■	■	■
Separate Transmitters																				
80-6113-3454-3	2550-T12						■		■	■						■	■	■		■
80-6113-3472-5	2573-T12						■		■	■						■	■	■		■
80-6113-3476-6	2550E-T12							■	■	■						■	■	■		■
80-6113-3471-7	2573E-T12							■	■	■						■	■	■		■

A Reputation of Excellence

When you choose a quality 3M™ Dynatel™ Locator, you get outstanding performance and reliability, along with toll-free technical phone support and a service center dedicated to excellence. Our service center provides calibration, repair, upgrades and modifications for safety, performance and reliability.

2500 Series Specifications

Transmitter Specifications

Cable/Pipe Trace Mode	
Trace mode frequencies	577, 1 kHz, 8 kHz, 33 kHz, 82 kHz, 200 kHz, ALL*
Output power (maximum)	12 W Max. with external input, reduced to 10 W at 33 kHz and 1 W for higher freq's
Induction mode only frequencies	8 kHz, 33 kHz, 82 kHz or 200 kHz
Sheath-Fault Locate Mode (2573 Only)	
Fault locate frequencies	10/20 - sheath fault source
Fault mode trace frequencies	577, 33 kHz
Toning Mode (2573 Only)	
Pulsing tone frequencies	577, 200 kHz
Ohmmeter Mode - continuity test	
Range	0 to 10 Meg
Audible continuity tones	Solid, Pulsed, None
Direct Connect Output	
Output voltage (maximum)	70 Vrms
Output current (maximum)	0.75A rms
Output Protection	240 Vrms
Physical	
Weight w/batteries	5.2 lbs. (2.4 kg)
Power Source	
Battery Quantity and size	6 "C" alkaline (LR14)
Battery Life	40 hours typical (normal output level) 10 hours typical (high output level)
External DC power	9–18 V DC

*577, 8k, 33k, 200k

3M™ Rechargable Battery 2200RB

New 4.5 inch Dyna-coupler 4001 Standard on Utility Style Kits

2500 Series Specifications, continued

Receiver

Cable/Pipe Trace Mode	
Trace mode options	Directional Peak, Directional Null, Special Peak, Induction Peak
Active frequencies	577, 1 kHz, 8 kHz, 33 kHz, 82 kHz, 200 kHz
Passive frequencies	31.5 kHz (CATV) 15 kHz ~30 kHz (LF)
Power frequencies	50/60, 50L/60L, 50H/60H, 100/120 (CPS)
Auxiliary frequencies	512, 560, 640
User defined frequencies	0~999 ; up to four
Depth Accuracy	±2% ± 2 in. (5 cm) for 0–60 in. (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)
Toning/External Mode	same frequencies as trace
Sheath-Fault Locate Mode (2573 Only)	10/20 - sheath fault direction
Physical	
Weight w/batteries	1.8–2.3 kg (4–5 lbs.) (model dependent)
Power Source	
Battery Qty.and size	8 AA (LR6)
Battery Life	30 hours typical

System Specifications

Environmental	
Ingress Protection	IP54
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Regulatory	FCC-CFR47 (Part 15), CE (Export versions)

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Track and Trace Solutions
6801 River Place Blvd.
Austin, TX 78726-9000
800/426 8688
Fax 800/626 0329
www.3M.com/dynatel

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