

**3M** Science.  
Applied to Life.™

# 3M™ Locating and Marking System

Trace the underground



Stress-free management and maintenance of underground assets takes tools you can depend on. 3M's innovative suite of integrated locating and marking solutions is engineered to help afford you piece of mind as you get ready to take on your toughest challenges.

[3m.com/dynatel](https://www.3m.com/dynatel)

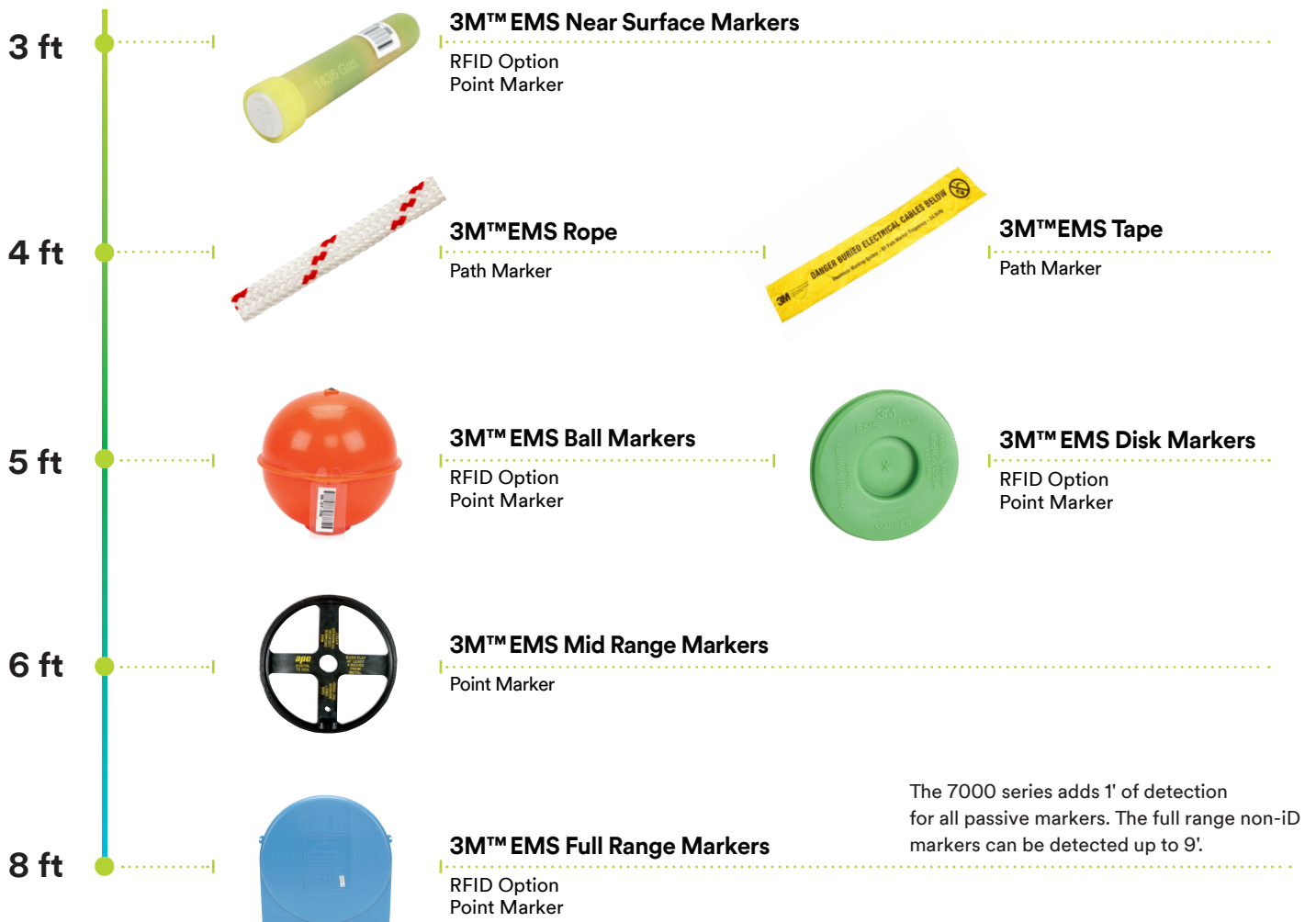
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# Marker Burial Depth Chart



Save time and money by quickly pinpointing the location of buried assets with 3M™ Point and Path Markers. Designed to be placed in various ranges of burial depths, our markers protect your critical assets wherever they are located.



**Note:** Specific burial depth is approximate. Review the marker spec sheet and locator compatibility for precise indication of burial depth for each of the marker models.

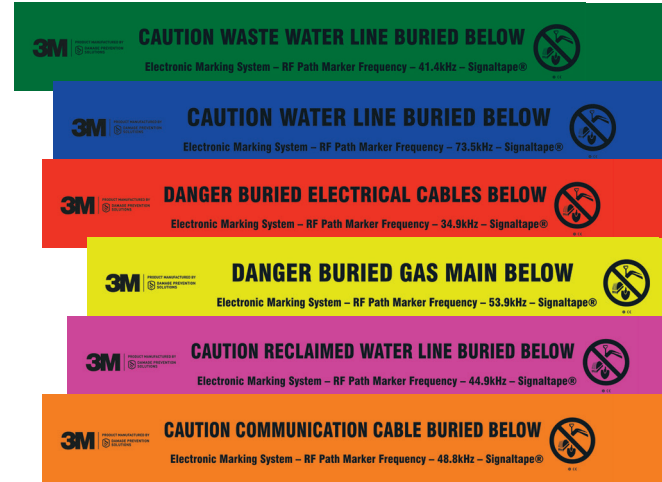
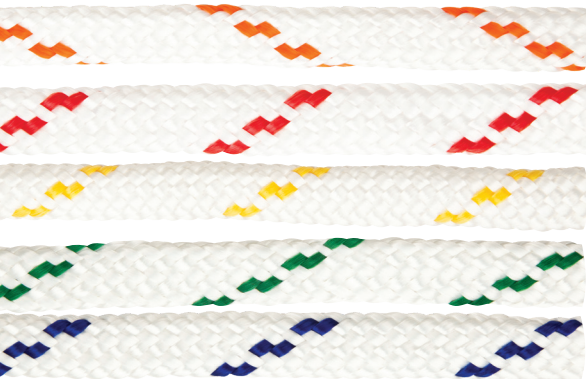
# 3M™ EMS Path Marking Tape and Rope

**NEW**

## A maintenance-free solution for marking and locating

Our latest innovation, 3M™ 7900 Electronic Marking System Warning Tape and 3M™ Electronic Marking System Rope, is virtually a maintenance-free solution for marking and locating the path of underground plastic pipes and conduits that helps eliminate the problems and costs associated with tracer wire and test stations.

3M EMS Warning tapes and ropes are embedded with markers that are activated using a 3M™ Dynatel™ Locators 7000 Series. Their intrinsic benefits save time and money.



- They can be installed near or above buried assets
- They are easy to follow, creating a detectable path above ground
- For use in open trench and HDD (Horizontal Directional Drilling) applications
- They do not require batteries and there is no need to hook up an external transmitter or spend time searching for access points
- The markers work independently, so even if a section of path marking tape/rope is cut or removed, the other markers on the tape/rope will continue to provide an accurate location
- They come in 5 or 6 frequencies, creating a unique identification for each utility type

	Depth	Length	Marker Spacing	Tensile Strength	Width	Telephone	Power	Gas	Water	Wastewater	reclaimed water
<b>Tape</b>	up to 4 ft	500 ft	8 ft	13 kN	4 in., 6 in. or 12 in.	7901-XT EMS	7902-XT EMS	7905-XT EMS	7903-XT EMS	7904-XT EMS	7908-XT EMS
	up to 4 ft	500 ft	8 ft	1.6 kN	6 in.	7901-EMS	7902 EMS	7905 EMS	7903 EMS	7904 EMS	7908 EMS
<b>Rope</b>	up to 4 ft	300 m	8 ft	Working Load 500 pnds.	8 ft	7701-HTS	7702-HTS	7705-HTS	7703-HTS	7703-HTS	–
	up to 4 ft	300 m	8 ft	Working Load 500 pnds.	8 ft	7701-R	–	–	–	–	–

XT – Extreme Tensile, EMS – Electronic Marker System, HTS – High Tensile Strength, 7701R – In-Conduit

# 3M™ Point Marking

## Marking points of interest

Unlike surface features, maps and other methods of recording position, the 3M Marker is a constant point of reference you can depend on.

### 3M Markers:

- Operate in all soil types; under asphalt; cement; and wet or dry soil
- Provide easy positive identification with each utility having its own frequency
- Are color-coded to APWA standards

### 3M iD Markers can be customized to include customer-specific information

- Facility data
- Material type and size
- Type of application
- Placement date

All of this information can be accessed in the field through a 3M iD model locator, but also uploaded and used with your GIS system.

	Detection/Read Range	Type	Telephone	Power	CATV	General Purpose	Water	Wastewater	Gas
3M™ EMS Near Surface Marker	3 ft	EMS	1432	1433	–	–	1434	1435	1436
	2 ft	iD	1432-XR/iD	1433-XR/iD	1437-XR/iD	1438-XR/iD	1434-XR/iD	1435-XR/iD	1436-XR/iD
3M™ EMS Ball Marker	6 ft	EMS	1401-XR	1402-XR	1407-XR	1408-XR	1403-XR	1404-XR	1405-XR
	5 ft	iD	1421-XR/iD	1422-XR/iD	1427-XR/iD	1428-XR/iD	1423-XR/iD	1424-XR/iD	1425-XR/iD
3M™ EMS Mini-Marker	6 ft	EMS	1255	1256	–	–	1257	1258	1259
3M™ EMS Full Range Marker	9 ft	EMS	1250	1251	–	–	1252	1253	1254
	8 ft	iD	1250-XR/iD	1251-XR/iD	–	1248-XR/iD	1252-XR/iD	1253-XR/iD	1254-XR/iD
3M™ EMS Disk Marker	5 ft	EMS	1411-XR	1412-XR	1417-XR	1418-XR	1413-XR	1414-XR	1415-XR
	5 ft	iD	1411-XR/iD	1412-XR/iD	–	1418-XR/iD	1413-XR/iD	1414-XR/iD	1415-XR/iD



### 3M™ EMS Near Surface Marker

Ideal for marking at shallow depths of 2–3'



### 3M™ EMS Ball Marker

Self leveling feature, suited for depths of 5–6'



### 3M™ EMS Mini-Marker

Designed for maintaining a stable position after placement at depths of 6'



### 3M™ EMS Full Range Marker

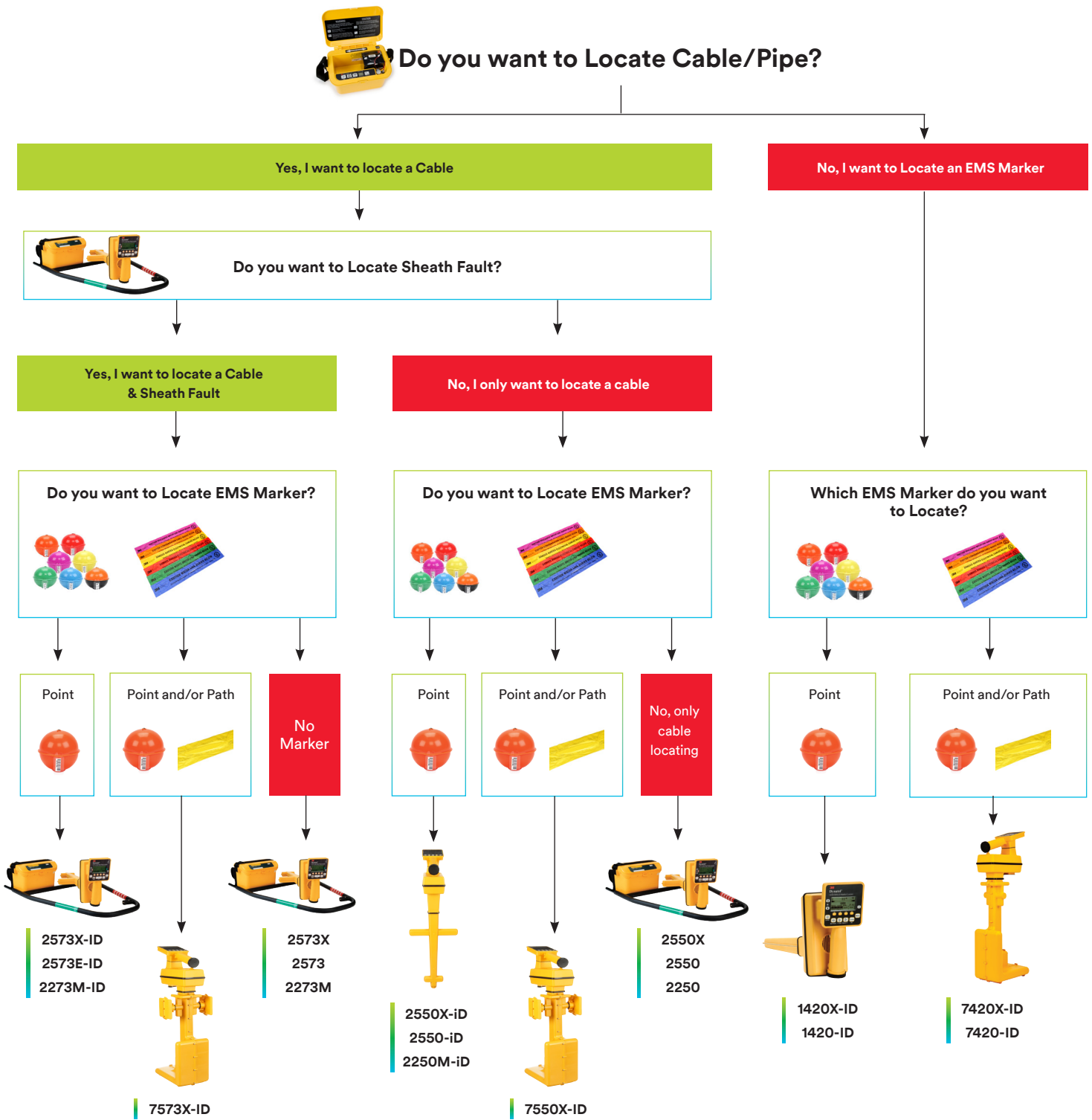
Suited for deep applications of up to 8–9'



### 3M™ EMS Disk Marker

Ideal for marking at shallow depths of 3–5'

# Locator Selection Chart



# 3M™ Dynatel™ Locator Features by Model

	1420X-ID	7420X-ID	2500X	7500X Series	7500 Series	2500 Series	2200M Series	2200 Series	7420	1420
Pipe and cable locate			✓	✓	✓	✓	✓	✓		
Electronic marker locate/read/write	✓	✓	*	✓	✓	*	*		✓	✓
EMS Frequencies	8	8	8	8	8	8	8			
Path Marking Frequencies	6			6	6				6	
EMS marking tape/rope locate		✓		✓	✓				✓	
Active frequencies			6	6	6	6	4	4		
Inductive frequencies			✓	✓	✓	✓	✓	✓		
Passive power										
Passive LF (low frequency)			✓	✓	✓	✓	✓	✓		
Sonde locating			✓	✓	✓	✓	✓	✓		
Fault locate (A-frame)			*	*	*	*	*	*		
Transmitter power options (watts)			3 or 12	3 or 12	3,5 or 12	3,5 or 12	3,5 or 12	3,5 or 12		
Dyna-coupler size (inches)			3" or 4.5"	3" or 4.5"	3" or 4.5"	3" or 4.5"	3" or 4.5"	3" or 4.5"		
3M™ Rechargeable Battery 2200RB (Tx)			*	*	*	*	*	*		
Li-Ion Battery (Rx)	✓	✓	✓	✓	*	*	*	*	*	✓
GPS compatible	✓	✓	✓	✓	✓	✓	✓		✓	✓
Built in GPS	✓	✓	✓	✓						
Bluetooth® wireless technology	✓	✓	✓	✓						
USB	✓	✓	✓	✓						

✓ Standard feature    \* Optional feature

# 3M™ Dynatel™ Pipe/Cable/EMS Locator X Series

**NEW**

**Cable/Pipe/Marker and EMS Tape Locators 1420X-iD, 7420X, iD**

**Cable/Pipe/Fault/Marker and EMS Tape Locators 2550X-iD, 2573X-iD, 7550X-iD, 7573X-iD**

The new 3M™ Dynatel™ X Series Locators are considered our best in class allowing to locate underground assets quickly. The X Series locators are equipped with Bluetooth technology receivers which none of our other locators have along with improved software and GPS capabilities.



- Receiver with Bluetooth® 5.0 wireless technology
- Integrated USB port is compatible with USB Type-C™ Connector
- Internal GPS that can be saved internally or directly to a memory stick that is compatible with USB Type-Connector
- RFID Marker write/read/locate capabilities
- EMS Path Marking Antennas
- Multiple EMS antennas for maximum locate capabilities
- Large LCD display with image driven graphical interface
- Integrated tone functions
- 2573X and 7573X devices include fault locating
- 12-Watt transmitter



**1420X-iD/7420X-iD Locator**



**2550X-iD/2573X-iD Series**



**7550X-iD/7573X-iD Series**



# 3M™ Dynatel™ Pipe/Cable/EMS Locator 7500 Series

## Cable/Pipe/Marker and EMS Tape Locators 7550-iD

## Cable/Pipe/Fault/Marker and EMS Tape Locators 7573-iD

For powerful precision locating, choose the Dynatel™ Locators 7500 Series. These locators combine advanced digital processing and simple interfaces to help you locate 3M™ EMS Path Marking Tape/Rope as well as existing electronic markers. As with all 3M Dynatel Cable/Pipe Locators, the 7500 series provides accurate pipe, cable, or sonde depth measurements, giving a digital readout in feet and inches, or centimeters (user-selectable).

- 6 active frequencies for direct connect and transmitter output options in 3, 5 or 12 watts
- 4 induction frequencies with maximum allowed output power
- Trace view mapping display
- Push button depth to all underground markers (passive and iD)
- Receiver rechargeable battery kit
- All frequency mode in direct connect (4 simultaneously)
- Automatic impedance matching
- Ohm meter with high voltage detection
- Rugged, industrial temperature range
- 240VAC output protection
- Reads and writes to 3M iD Markers



7573-iD Transmitter



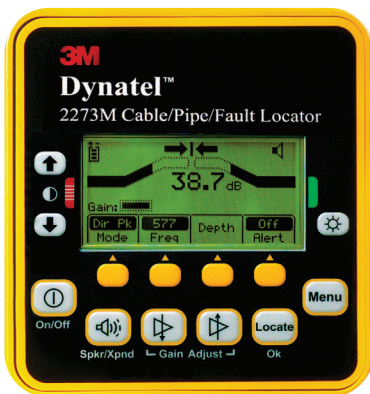
7573-iD Series

# 3M™ Dynatel™ Cable/Pipe Locator 2200M, 2500 Series

Cable/Pipe Locators 2250M, 2250M-iD, 2550, 2550-iD,  
Cable/Pipe/Fault Locators 2573, 2573-iD, 2273M, 2273M-iD\*

\*-iD indicates EMS marker capability

Offering a broad feature set with advanced digital processing, the 3M™ Dynatel™ Locators 2200M and 2500 series combine simple interfaces with precision locating capabilities. Additionally to the 2200M capabilities, the 2500 presents two extra frequencies along with a trace view mode that provides intuitive user interface that graphs the position and direction of the utility being located add period.



Dynatel Locators  
2200 Series



Dynatel Locators  
2500 Series

- Up to 5 locating modes: All feature highly accurate peak modes based on peak antenna response

- Up to 6 active frequencies

\*see chart on page 7 for additional details

- Transmitter has 3, 5 and 12 Watt (maximum) power output options

- Electronic marker locate/read/write and alert mode option seamlessly integrated into one unit

- GPS communication capability for GIS mapping of pipe/cable path and electronic markers



2200 Series Transmitter and Receiver

# 3M™ Dynatel™ Locators 2200 Series

## Cable/Pipe Locator 2250

## Cable/Pipe/Fault Locator 2273

The 3M™ Dynatel™ Locators 2200 Series are built specifically to find the path and estimated depth of buried cables and pipes. They also offer toning of aerial cable, direct readout of active duct probe, and cable/pair identification.

Receivers have an “expander” function which differentiates between two conductors carrying the same tone by enhancing the amplitude difference. Both the receiver and the transmitter also feature a self-test that runs each time the unit is turned on.

### Dynatel locators 2200 series have four active frequencies:

- Passive frequencies (for power)
- Cathodic protection
- CATV
- Auxiliary frequencies (or long distance locating from remote transmitters)

### Other features include:

- Three locating modes: Peak, Null and Differential
- All frequency mode in direct connection (4 frequencies simultaneously)
- Transmitter has 3 and 5 Wattoutput options
- Ability to find underground faults



2200 Series Transmitter

2200 Series

# 3M™ Dynatel™ Marker Locator 1420

The 3M™ Dynatel™ Marker Locator 1420 is a high performance locator that quickly and efficiently estimates exact location of all underground markers. In addition, the locator reads and writes 3M iD markers. It locates 2 different marker frequencies simultaneously.

- Detects industry standard electronic markers frequencies
- 3M iD marker read/write capability and depth estimation
- Marker maximum read range up to 8 ft. (2.4m) depth
- GPS communication capability for GIS mapping of pipe/cable path and electronic markers
- Light weight with excellent balance and ergonomics
- Large backlit, high-resolution graphic display



# 3M™ Dynatel™ Marker/Tape Locator 7420

The 3M™ Dynatel™ Marker Tape Locator 7420 is a high performance locator that quickly and efficiently locates 3M™ EMS Caution Tape and existing electronic markers. In addition, the locator reads and writes 3M iD markers.

- Locate all frequencies of 3M EMS Path Marking Tape/Rope
- Detects industry standard electronic markers frequencies
- 3M iD marker read and write capability
- Locate EMS tape/rope and be alerted to electronic marker of same frequency
- Marker maximum read range up to 9 ft. (2.4m) depth
- GPS communication capability for GIS mapping of pipe/cable path and electronic markers
- Push button depth estimation for 3M passive iD markers and EMS Tape
- Large backlit, high-resolution graphic display
- Rechargeable battery kit



# 3M™ Accessories



78-9000-5055-6

## 3M™ Dynatel™ Locators Alkaline Battery Harness W/Diode

Harness is used to connect Alkaline batteries to the locators.



26-1016-0600-7

## 3M™ Ribbed Battery Compartment Cap With Liner For Dynatel™ M-Series Cable/Pipe Locators

The cap screws onto the locator handle to cover to cap the battery.



26-1022-0044-6

## 3M™ Dynatel™ Locators USB Cord, Type-C Male to Male, 6FT

USB Type-C™ cable to connect an X-Series locator to a PC.



26-1021-9989-5

## 3M™ Dynatel™ Locators USB Type-C Li-Ion Battery Charger

USB Type-C™ charger for the Li-Ion battery in locator.



78-9000-0087-4

## 3M™ USB Cord For 2200M/2500 Series and 1420, 1 Kits

USB to RS-232 cable to connect an M-Series, 2500 Series, 7000 Series and 1420 locator to a PC.



26-1022-0046-1

## 3M™ Dynatel™ Locators USB Type-C Audio Adapter, 3.5 mm Female

USB Type-C™ 3.5 mm adapter to connect headphones.



78-9000-0242-5

## 3M™ Dynatel™ Locators Extra Large Direct Connect Clips

Extra large clips to be used with large connection points.



#1196/C

### 3M™ 6" (15.2 cm) Dyna-Coupler with pouch

Permits coupling of RF trace tone to large diameter cables, bundle cables, and cables enclosed in accessible non-metallic ducts. For use on cables and conduits with a maximum diameter of 6.9" (17.5 cm).



#9012

### 3M™ Small Clip 1/4" (6.4 mm) Direct Connect, 5-foot Transmitter Cable, Telephone

Two lead, 5' (1.5 m) cables used for direct connection to conductor and ground. The 9012 cable has smaller Telco style alligator clips with an insulation piercing needle incorporated.



#2892

### 3M™ Small Clip 1/4" (6.4 mm) Direct-Connect Transmitter Cable For All Cable/Fault Locators

Two lead, 10' (3 m) cable used for direct connection to cable and ground.



#2876

### 3M™ Large Clip 5/8" (15.9 mm) Direct-Connect Transmitter Cable For Most

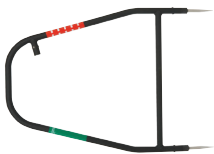
Two lead, 10' (3 m) cable used for direct connection to cable and ground.



#9043

### 3M™ Ground Extension Cable

Extends ground capability to 12' (3.7 m).



#3014

### 3M™ Earth Contact Frame

Used only when locating sheath (earth return) faults. It indicates direction to the fault and is color coded to correspond with the Receiver's indicator.



#9026

### 3M™ Earth Contact Frame Cable

For use with the 3M Earth Contact Frame 3014 for sheath (earth return) fault location; 4' (1.2 m) in length.

# 3M™ Accessories



#8006

## 3M™ Ground Rod

For applying ground capability, made of stainless steel.



#7000C

## AC Charger

For use with 3M™ Dynatel™ 7000 and 2500 Series Locators.



#2200/  
7000RB

## 3M™ Rechargeable Battery

For use with 5W & 12W Transmitters (Non-Spillable).



#7000RB

## 3M™ Rechargeable Battery Pack

For use with 3M™ Dynatel™ 7000 and 2500 Series Receiver.



#3001

## 3M™ 3" (7.6 cm) Dyna-Coupler

Permits coupling of RF trace tone to cables with a maximum diameter of 3" (7.6 cm).



#4001

## 3M™ 4.5" (11.4 cm) Dyna-Coupler

Permits coupling of RF trace tone to cables with a maximum diameter of 4.5" (11.4 cm).





#9011

### 3M™ Coupler Cable

For use with any Dynatel Transmitter, Receiver, or Coupler: 12' (3.7 m) in length.



#4519

### 3M™ Dynatel™ Locator Coupler Accessory Kit

The Dynatel accessory kit contains a 4001 4.5" (11.4 cm) 3M Dyna-coupler and a 3M Coupler Cable 9011 with a case that can be attached to the transmitter.



#3019

### 3M™ 3" (7.6 cm) Cable Locator Coupler Accessory Kit

The accessory kit contains a 3001 3" (7.6 cm) Dyna-coupler and a Coupler Cable 9011 with a case that can be attached to the transmitter.



#2200M/7000

### 3M™ Soft Carrying Bag

3M soft carrying bag for the 2200M/2500/7000 series locators.

# 3M™ Dynatel™ Locator Kits\* Ordering Information

For US and other countries meeting FCC requirements	EMS Marker/Tape/Rope Enabled	Cable/Pipe Locate	Fault Locate	Electronic Marker Locate	EMS Path Marking Tape and Rope Locate	Transmitter Output	Direct Connect Cable – small clips	Direct Connect Cable – large clips	Coupler Size (inches)	2200RB Rechargeable Battery	Receiver Rechargeable Battery	Cigarette Lighter Adapter Cable	Carrying Bag
	Marker Locate Enabled												
	Not Marker/Tape/Rope Enabled												
<b>7573X Series Kits</b>													
80-0002-2000-6	7573X U12 Mkr/Pth Cb/Pp/Flt Loc 4.5" 12W	x	x	x	x	12W		x	4,5	x	x	x	x
80-0002-1997-4	7573X C12 Mkr/Pth Cb/Pp/Flt Loc 3" 12W	x	x	x	x	12W	x		3	x	x	x	x
80-0002-1998-2	7573X U3 Mkr/Pth Cb/Pp/Flt Loc 4.5" 3W	x	x	x	x	3W		x	4,5		x		
80-0002-1995-8	7573X C3 Mkr/Pth Cb/Pp/Flt Loc 3" 3W	x	x	x	x	3W	x		3		x		x
<b>7550X Series Kits</b>													
80-0002-1985-9	7550X U12 Mkr/Pth Cb/Pp Loc 4.5" 12W	x		x	x	12W		x	4,5	x	x	x	x
80-0002-1983-4	7550X U3 Mkr/Pth Cb/Pp Loc 4.5" 3W	x		x	x	3W	x		4,5		x		x
<b>7420X</b>													
80-0002-1918-0	7420X ID Marker/Path Locator			x	x						x		
<b>2573X Series Kits</b>													
80-0002-1971-9	2573X-ID U12 Mkr Cb/Pp/Flt Loc 4.5" 12W	x	x	x		12W		x	4,5		x	x	x
80-0002-1968-5	2573X-ID C12 Mkr Cb/Pp/Flt Loc 3" 12W	x	x	x		12W	x		3		x	x	x
80-0002-1969-3	2573X-ID U3 Mkr Cb/Pp/Flt Loc 4.5" 3W	x	x	x		3W		x	4,5		x		x
80-0002-1966-9	2573X-ID C3 Mkr Cb/Pp/Flt Loc 3" 3W	x	x	x		3W	x		3		x		x
80-0002-1939-6	2573X C12 Cb/Pp/Flt Loc 3" 12W	x	x	x		12W	x		3		x	x	x
80-0002-1937-0	2573X C3 Cb/Pp/Flt Loc 3" 3W	x	x	x		3W	x		3		x		x
<b>2550X Series Kits</b>													
80-0002-1956-0	2550X-ID U12 Mkr Cb/Pp Loc 4.5" 12W	x		x		12W		x	4,5		x	x	x
80-0002-1953-7	2550X-ID C12 Mkr Cb/Pp Loc 3" 12W	x		x		12W	x		3		x	x	x
80-0002-1954-5	2550X-ID U3 Mkr Cb/Pp Loc 4.5" 3W	x		x		3W		x	4,5		x		x
80-0002-1951-1	2550X-ID C3 Mkr Cb/Pp Loc 3" 3W	x		x		3W	x		3		x		x
80-0002-1924-8	2550X C12 Cb/Pp Loc 3" 12W	x		x		12W	x		3		x	x	x
80-0002-1922-2	2550X C3 Cb/Pp Loc 3" 3W	x		x		3W	x		3		x		x
<b>1420X</b>													
80-0002-1916-4	1420X ID Marker Locator			x							x		
<b>X-Series Receiver Only</b>													
80-0002-1994-1	7573X Mkr/Pth Cb/Pp/Flt Loc Only	x	x	x	x						x		
80-0002-1979-2	7550X Mkr/Pth Cb/Pp Loc Only	x		x	x						x		
80-0002-1965-1	2573X-ID Mkr Cb/Pp/Flt Loc Only	x	x								x		
80-0002-1936-2	2573X Cb/Pp/Flt Loc Only	x	x								x		
80-0002-1950-3	2550X-ID Mkr Cb/Pp Loc Only	x		x							x		
80-0002-1921-4	2550X Cb/Pp Loc Only	x									x		
<b>Transmitter Only</b>													
80-6113-3472-5	3M™ Dynatel™ 12W US Transmitter Only, 2573-T12	x	x										
80-6113-3454-3	2550-T12 M-SERIES Transmitter Only, US 12W												

**For US  
and other  
countries  
meeting FCC  
requirements**

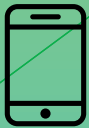
	EMS Marker/Tape/ Rope Enabled														
	Marker Locate Enabled														
	Not Marker/Tape/ Rope Enabled	Cable/Pipe Locate	Fault Locate	Electronic Marker Locate	EMS Path Marking Tape and Rope Locate	Transmitter Output	Direct Connect Cable – small clips	Direct Connect Cable – large clips	Coupler Size (inches)	4.5" Coupler & Cable	2200RB Rechargeable Battery	Cigarette Lighter Adapter Cable	Carrying Bag		
<b>7573 Series Kits</b>															
80-6300-0277-4	7573-ID/U12	x	x	x	x	12W		x	4.5	x	x	x	x		
80-6300-0280-8	7573-ID/C12	x	x	x	x	12W	x		3			x	x		
80-6300-0276-6	7573-ID/U5	x	x	x	x	5W		x	4.5		x	x	x		
80-6300-0279-0	7573-ID/C5	x	x	x	x	5W	x		3			x	x		
80-6300-0281-6	7573-ID/5-NA	x	x	x	x	5W									
80-6300-0275-8	7573-ID/U3	x	x	x	x	3W		x	4.5					x	
80-6300-0278-2	7573-ID/C3	x	x	x	x	3W	x		3					x	
<b>7550 Series Kits</b>															
80-6300-0273-3	7550-ID/U12	x		x	x	12W		x	4.5		x	x	x		
80-6300-0272-5	7550-ID/U5	x		x	x	5W			4.5		x	x	x		
80-6300-0274-1	7550-ID/5-NA	x		x	x	5W									
80-6300-0271-7	7550-ID/U3	x		x	x	3W		x	4.5					x	
<b>7420</b>															
80-6113-8923-2	7420			x	x										
<b>2573 Series Kits</b>															
80-6113-3462-6	2573-ID/C12	x	x	x		12W	x		3				x		
80-6113-3464-2	2573-ID/U12	x	x	x		12W		x	4.5	x	x	x	x		
80-6113-3458-4	2573-C12	x	x			12W	x		3				x		
80-6113-3460-0	2573-U12	x	x			12W		x	4.5	x	x	x	x		
80-6113-8779-8	2573-ID/C5-4FREQ	x	x	x		3W	x		3						
80-6300-0264-2	2573-ID/U3	x	x	x		3W		x	4.5					x	
80-6113-3461-8	2573-ID/C3-4FREQ	x	x	x		3W	x		3				x		
80-6300-0263-4	2573-U3	x	x			3W		x	4.5					x	
80-6113-3457-6	2573-C3/4FREQ	x	x			3W	x		3						
<b>2550 Series Kits</b>															
80-6113-3452-7	2550-ID/U12	x		x		12W		x	4.5	x	x	x	x		
80-6113-3450-1	2550-U12	x				12W		x	4.5	x	x	x	x		
80-6300-0262-6	2550-ID/U3	x		x		3W		x	4.5					x	
80-6300-0261-8	2550-U3	x				3W		x	4.5					x	
<b>2273M Series Kits</b>															
80-6113-3044-2	2273M-ID/UCU12W-RT	x	x	x		12W	x	x	3		x	x	x		
80-6111-4091-6	2273M-ID/UU5W-RT	x	x	x		5W		x	3						
80-6111-4095-7	2273M-ID/UU3W-RT	x	x	x		3W		x	3						
80-6111-4090-8	2273M-ID/UC5W-RT	x	x	x		5W	x		3				x		
80-6111-4094-0	2273M-ID/UC3W-RT	x	x	x		3W	x		3						
80-6113-2342-1	2273M-ID/CATV	x	x	x		3W	x		3						
80-6113-3046-7	2273M-UCU12W/RT	x	x			12W	x	x	3		x	x	x		
80-6111-4132-8	2273M-UU5W-RT	x	x			5W		x	3				x		
80-6111-4136-9	2273M-UU3W-RT	x	x			3W		x	3						
80-6111-4131-0	2273M-UC5W-RT	x	x			5W	x		3				x		
80-6111-4135-1	2273M-UC3W-RT	x	x			3W	x		3						
<b>2250M Series Kits</b>															
80-6113-3039-2	2250M-ID/UCU12W-RT	x		x		12W	x	x	3		x	x	x		
80-6111-4140-1	2250M-ID/UU5W-RT	x		x		5W		x	3				x		
80-6111-4144-3	2250M-ID/UU3W-RT	x		x		3W		x	3						
80-6111-4139-3	2250M-ID/UC5W-RT	x		x		5W	x		3				x		
80-6111-4143-5	2250M-ID/UC3W-RT	x		x		3W	x		3						
80-6113-3041-8	2250M-UCU12W/RT	x				12W	x	x	3		x	x	x		
80-6111-4148-4	2250M-UU5W-RT	x				5W		x	3				x		
80-6111-4152-6	2250M-UU3W-RT	x				3W		x	3						
80-6111-4147-6	2250M-UC5W-RT	x				5W	x		3				x		
80-6111-4151-8	2250M-UC3W-RT	x				3W	x		3						
<b>2220M Series Kits</b>															
80-6113-3107-7	2220M-CU12W/RT	x				12W	x	x	3		x	x	x		
80-6113-2585-5	2220M-U3W	x				3W		x						x	
80-6113-2681-2	2220M-U3W3-CPLR	x				3W		x	3					x	
80-6113-2586-3	2220M-C3W-CPLR	x				3W	x		3					x	
<b>2273 Series Kits</b>															
80-6109-9352-1	2273-U5P3/A	x	x			5W		x	3				x		
80-6109-9353-9	2273-U5T3/A	x	x			5W	x		3				x		
80-6108-4745-3	2273-U3P3	x	x			3W		x	3						
80-6108-4739-6	2273-U3T3	x	x			3W	x		3						
<b>2250 Series Kits</b>															
80-6108-4727-1	2250-U3P3	x				3W		x	3						
80-6108-4721-4	2250-U3T3	x				3W	x		3						
<b>1420</b>															
80-6111-4087-4	1420			x											

# 3M™ Dynatel™ Locator Kits\* Ordering Information

CE Kits (For Europe and other countries required to meet CE requirements)	EMS Marker/Tape/ Rope Enabled	Cable/Pipe Locate	Fault Locate	Electronic Marker Locate	EMS Path Marking Tape and Rope Locate	Transmitter Output	Direct Connect Cable – small clips	Direct Connect Cable – large clips	Coupler Size (inches)	2200RB Rechargeable Battery	Receiver Rechargeable Battery	Cigarette Lighter Adapter Cable	Carrying Bag
	Marker Locate Enabled												
	Not Marker/Tape/ Rope Enabled												
<b>7573XE Series Kits</b>													
80-0002-2008-9	7573XE U12 Mkr/Pth Cb/Pp/Fit Loc 4.5" 12W	x	x	x	x	12W		x	4,5	x	x	x	x
80-0002-2005-5	7573XE C12 Mkr/Pth Cb/Pp/Fit Loc 3" 12W	x	x	x	x	12W	x		3	x	x	x	x
<b>7550XE Series Kits</b>													
80-0002-1993-3	7550XE U12 Mkr/Pth Cb/Pp Loc 4.5" 12W	x		x	x	12W		x	4,5	x	x	x	x
<b>7420XE</b>													
80-0002-1919-8	7420XE ID Marker/Path Locator - Exp			x	x						x		
<b>2573XE Series Kits</b>													
80-0002-1978-4	2573XE-ID U12 Mkr Cb/Pp/Fit Loc 4.5" 12W	x	x	x		12W		x	4,5		x	x	x
80-0002-1975-0	2573XE-ID C12 Mkr Cb/Pp/Fit Loc 3" 12W	x	x	x		12W	x		3		x	x	x
80-0002-1946-1	2573XE C12 Cb/Pp/Fit Loc 3" 12W	x	x			12W	x		3		x	x	x
<b>2550XE Series Kits</b>													
80-0002-1964-4	2550XE-ID U12 Mkr Cb/Pp Loc 4.5" 12W	x		x		12W		x	4,5		x	x	x
80-0002-1961-0	2550XE-ID C12 Mkr Cb/Pp Loc 3" 12W	x		x		12W	x		3		x	x	x
80-0002-1932-1	2550XE C12 Cb/Pp loc 3" 12W	x				12W	x		3		x	x	x
<b>1420XE</b>													
80-0002-1917-2	1420XE ID Marker Locator - Exp			x	x						x		
<b>XE-Series Receiver Only</b>													
80-0002-2002-2	7573XE Mkr/Pth Cb/Pp/Fit Loc Only	x	x	x	x						x		
80-0002-1987-5	7550XE Mkr/Pth Cb/Pp Loc Only	x		x	x						x		
80-0002-1972-7	2573XE-ID Mkr Cb/Pp/Fit Loc Only	x	x	x							x		
80-0002-1943-8	2573XE Cb/Pp/Fit Loc Only	x	x								x		
80-0002-1958-6	2550XE-ID Mkr Cb/Pp Loc Only	x		x							x		
80-0002-1929-7	2550XE Cb/Pp Loc Only	x									x		
<b>Transmitter Only</b>													
80-6113-3471-7	2573E-T12 M-SERIES Transmitter Only, OUS 12 Watt												
80-6113-3476-6	2550E-T12 M-SERIES Transmitter Only, OUS, 12W												



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**Conditional Lifetime Warranty:** 3M provides the following Conditional Limited Warranty for its Electronic Marker Products (non-iD versions only): When installed in accordance with 3M's installation instructions, 3M warrants Electronic Markers for the lifetime of the product, to be free from defects in material and manufacture, provided the Electronic Markers are located with 3M™ Dynatel™ Locators or other brand locators as may be designated by 3M in writing. This warranty does not extend to Electronic Markers that have been subjected to misuse or improper application or that have been repaired or altered by others. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE.** If the Electronic Marker is found to be defective during the normal lifetime of the product, your exclusive remedy shall be, at 3M's options, to repair or replace the Electronic Markers or refund the purchase price. **Except where prohibited by law, 3M will not be liable for any direct, indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

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