

# Locating and Marking

The 3M™ Dynatel™ Locators and 3M Electronic Marking Products provide accurate marking and locating of critical underground assets. Included are sophisticated systems that allow programming of identifying features into intelligent markers using RFID technology, and interfaces with GPS/GIS systems for accurate mapping.



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## Locators

### 3M™ Dynatel™ Locators 1420 Series

3M™ Dynatel™ EMS-iD Marker Locators 1420 are high performance locators that quickly and efficiently locate most types of conventional electronic markers and have the capability to read/write to 3M™ RFID Enabled Markers.

Cable/Pipe Locate NA  
Earth Return Fault Locate NA



Order No.	UPC #	Electronic Marker Locate	Transmitter	Direct Connect Cable	Coupler Size	2200RB Rechargeable Battery	Carrying Bag Included	Packaging	Minimum Order
1420	051115-13589	Yes	NA	No Direct Connect Cable	No Coupler	NA	No	1 each per box	1 each

### 3M™ Dynatel™ Locators 2220M Series

The 3M™ Dynatel™ Locator 2220M Series is designed to find the path and estimated depth of buried pipes and cables.

Features include:

- ◆ Two active frequencies (8 kHz, 82 kHz)
- ◆ Passive frequencies for power, cathodic protection systems
- ◆ Detects frequencies from sondes and remote transmitters (512 Hz, 640 Hz, 33 kHz)
- ◆ Direct readout of active duct probe (sonde)
- ◆ Cable/pair identification
- ◆ Receivers incorporate an “expander” function to make peaks and nulls more pronounced
- ◆ Receiver and transmitter self-test each time the unit is turned on

Cable/Pipe Locate Yes  
Earth Return Fault Locate No



Order No.	UPC #	Electronic Marker Locate	Transmitter	Direct Connect Cable	Coupler Size	2200RB Rechargeable Battery	Carrying Bag Included	Packaging	Minimum Order
2220M-CU12W/RT	051115-06079	No	12 watt	Small clips, Large clips	3 inches	Yes	Yes	1 each per box	1 each
2220M-U3W	051115-26014	No	3 watt	Large clips	No Coupler	No	Yes	1 each per box	1 each
2220M-U3W3-CPLR	051115-26123	No	3 watt	Large clips	3 inches	No	Yes	1 each per box	1 each

## Locators

### 3M™ Dynatel™ Locators 2250 Series

The 3M™ Dynatel™ Locator 2250 Series is designed to find the path and estimated depth of buried cables and pipes.

Features include:

- ♦ Four active frequencies
- ♦ Passive frequencies for power and CATV
- ♦ Auxiliary frequencies for long distance locating from remote transmitters
- ♦ Direct readout of active duct probe (sonde)
- ♦ Cable/pair identification
- ♦ Receivers incorporate an “expander” function to make peaks and nulls more pronounced



Cable/Pipe Locate Yes  
Earth Return Fault Locate No

Order No.	UPC #	Electronic Marker Locate	Transmitter	Direct Connect Cable	Coupler Size	2200RB Rechargeable Battery	Carrying Bag Included	Packaging	Minimum Order
2250-U3P3	051138-34630	No	3 watt	Large clips	3 inches	No	No	1 each per box	1 each

### 3M™ Dynatel™ Locators 2250M Series

The 3M™ Dynatel™ Locator 2250M Series is designed to find the path and estimated depth of buried cables and pipes.

Features include:

- ♦ Four active frequencies
- ♦ Passive frequencies for power, cathodic protection systems and CATV
- ♦ Auxiliary frequencies for long distance locating from remote transmitters
- ♦ Direct readout of active duct probe (sonde)
- ♦ Cable/pair identification
- ♦ Receivers incorporate an “expander” function to make peaks and nulls more pronounced
- ♦ Receiver and transmitter self-test each time the unit is turned on



Cable/Pipe Locate Yes  
Earth Return Fault Locate No

Order No.	UPC #	Electronic Marker Locate	Transmitter	Direct Connect Cable	Coupler Size	2200RB Rechargeable Battery	Carrying Bag Included	Packaging	Minimum Order
2250M-ID/UCU12W-RT	051115-30293	Yes	12 watt	Small clips, Large clips	3 inches	Yes	Yes	1 each per box	1 each
2250M-ID/UU3W-RT	051115-13613	Yes	3 watt	Large clips	3 inches	No	No	1 each per box	1 each
2250M-ID/UU5W-6IN	051115-18602	Yes	5 watt	Large clips	6 inches	No	No	1 each per box	1 each
2250M-ID/UU5W-RT	051115-13609	Yes	5 watt	Large clips	3 inches	No	No	1 each per box	1 each
2250M-UCU12W-RT	051115-30295	No	12 watt	Small clips, Large clips	3 inches	Yes	Yes	1 each per box	1 each
2250M-UU3W-RT	051115-13621	No	3 watt	Large clips	3 inches	No	No	1 each per box	1 each
2250M-UU5W-RT	051115-13617	No	5 watt	Large clips	3 inches	No	No	1 each per box	1 each

## Locators

### 3M™ Dynatel™ Locators 2273 Series

The 3M™ Dynatel™ Locator 2273 Series is designed to find the path and estimated depth of buried cables and pipes.

Features include:

- ◆ Four active frequencies
- ◆ Passive frequencies for power, cathodic protection systems and CATV
- ◆ Auxiliary frequencies for long distance locating from remote transmitters
- ◆ Direct readout of active duct probe (sonde)
- ◆ Cable/pair identification
- ◆ Receivers incorporate an “expander” function to make peaks and nulls more pronounced

As with other locator models, the 3M™ Dynatel™ Locator 2273 performs all functions of the 2250 locator plus the ability to find underground faults.



Cable/Pipe Locate Yes  
Earth Return Fault Locate Yes

Order No.	UPC #	Electronic Marker Locate	Transmitter	Direct Connect Cable	Coupler Size	2200RB Rechargeable Battery	Carrying Bag Included	Packaging	Minimum Order
2273-U3P3	051138-34648	No	3 watt	Large clips	3 inches	No	No	1 each per box	1 each
2273-U5P3/A	051138-70446	No	5 watt	Large clips	3 inches	No	No	1 each per box	1 each

### 3M™ Dynatel™ Locators 2273M Series

The 3M™ Dynatel™ Locator 2273M Series is designed to find the path and estimated depth of buried cables and pipes.

Features include:

- ◆ Four active frequencies
- ◆ Passive frequencies for power, cathodic protection systems and CATV
- ◆ Auxiliary frequencies for long distance locating from remote transmitters
- ◆ Direct readout of active duct probe (sonde)
- ◆ Cable/pair identification
- ◆ Toning of aerial cable
- ◆ Receivers incorporate an “expander” function to make peaks and nulls more pronounced
- ◆ Receiver and transmitter self-test each time the unit is turned on

As with other locator models, the 3M™ Dynatel™ Locator 2273M performs all functions of the 2250M locator plus the ability to find underground faults.



Cable/Pipe Locate Yes  
Earth Return Fault Locate Yes

Order No.	UPC #	Electronic Marker Locate	Transmitter	Direct Connect Cable	Coupler Size	2200RB Rechargeable Battery	Carrying Bag Included	Packaging	Minimum Order
2273M-ID/UCU12W-RT	051115-30298	Yes	12 watt	Small clips, Large clips	3 inches	Yes	Yes	1 each per box	1 each
2273M-ID/UU3W-RT	051115-13597	Yes	3 watt	Large clips	3 inches	No	No	1 each per box	1 each
2273M-ID/UU5W-6IN	051115-18600	Yes	5 watt	Large clips	6 inches	No	No	1 each per box	1 each
2273M-ID/UU5W-RT	051115-13593	Yes	5 watt	Large clips	3 inches	No	No	1 each per box	1 each
2273M-UCU12W/RT	051115-06018	No	12 watt	Small clips, Large clips	3 inches	Yes	Yes	1 each per box	1 each
2273M-UU3W-RT	051115-13605	No	3 watt	Large clips	3 inches	No	No	1 each per box	1 each

## Locators

## 3M™ Dynatel™ Locators 2273M Series (continued)

Order No.	UPC #	Electronic Marker Locate	Transmitter	Direct Connect Cable	Coupler Size	2200RB Rechargeable Battery	Carrying Bag Included	Packaging	Minimum Order
2273M-UU5W-RT	051115-13601	No	5 watt	Large clips	3 inches	No	No	1 each per box	1 each per box

## 3M™ Dynatel™ Locators 2550 Series

Designed to be more accurate, faster and more integrated than most locators on the market, the 3M™ Dynatel™ Locators 2550 Series represent an advancement in locating technology for the field professional. Offering a broad feature set with advanced digital processing, the 2550 Series locators combine simple interfaces with precision locating capabilities.

Features include:

- ♦ Six active frequencies for direct connect
- ♦ Trace view mapping display mode
- ♦ Four induction frequencies with maximum allowed output power
- ♦ 12-watt transmitter
- ♦ All frequency mode in direct connect (four simultaneously)
- ♦ EMS-iD capability on select models



Cable/Pipe Locate	Yes
Earth Return Fault Locate	No

Order No.	UPC #	Electronic Marker Locate	Transmitter	Direct Connect Cable	Coupler Size	2200RB Rechargeable Battery	Carrying Bag Included	Packaging	Minimum Order
2550-ID/U12	051115-53532	Yes	12 watt	Large clips	4.5 inches	Yes	Yes	1 each per box	1 each
2550-U12	051115-53530	No	12 watt	Large clips	4.5 inches	Yes	Yes	1 each per box	1 each

## Locators

### 3M™ Dynatel™ Locators 2573 Series

Designed to be more accurate, faster and more integrated than most locators on the market, the 3M™ Dynatel™ Locators 2573 Series represent an advancement in locating and fault finding technology for the field professional. Offering a broad feature set with advanced digital processing, the 2573 Series locators combine simple interfaces with precision locating capabilities.

Features include:

- ◆ Six active frequencies for direct connect
- ◆ Trace view mapping display mode
- ◆ Four induction frequencies with maximum allowed output power
- ◆ 12-watt transmitter
- ◆ All frequency mode in direct connect (four simultaneously)
- ◆ EMS-iD capability on select models



As with other locator models, the 3M™ Dynatel™ Locator 2573 performs all functions of the 2550 locator plus the ability to find underground faults.

Cable/Pipe Locate Yes  
 Earth Return Fault Locate Yes

Order No.	UPC #	Electronic Marker Locate	Transmitter	Direct Connect Cable	Coupler Size	2200RB Rechargeable Battery	Carrying Bag Included	Packaging	Minimum Order
2573-ID/U12	051115-53544	Yes	12 watt	Large clips	4.5 inches	Yes	Yes	1 each per box	1 each
2573-U12	051115-53540	No	12 watt	Large clips	4.5 inches	Yes	Yes	1 each per box	1 each

## Markers

### 3M™ EMS Extended-Range Ball Markers

The 3M™ EMS Extended-Range Ball Markers have a self-leveling design providing accurate, horizontal position regardless of how it is placed in the ground, making the job of precisely locating underground facilities easier.

<b>Marker Type</b>	Ball Marker
<b>Passive Depth</b>	5 ft (1.5 m)
<b>Programmable Depth</b>	5 ft (1.5 m)
<b>Dimensions (Inches)</b>	4 in Diameter
<b>Dimensions (Metric)</b>	10.2 cm Diameter



Order No.	UPC #	Programmable/Passive	Application/Industry	Packaging	Minimum Order
1401-XR	051138-88364	Passive	Telephone	30 each per box	30 each
1402-XR	051138-88365	Passive	Power	30 each per box	30 each
1403-XR	051138-71764	Passive	Water	30 each per box	30 each
1404-XR	051138-71765	Passive	Wastewater	30 each per box	30 each
1405-XR	051138-71734	Passive	Gas	30 each per box	30 each
1407-XR	051138-88366	Passive	CATV	30 each per box	30 each
1408-XR	051138-75702	Passive	General Purpose	30 each per box	30 each
1421-XR/ID	051115-13688	Programmable	Telephone	30 each per box	30 each
1422-XR/ID	051115-13689	Programmable	Power	30 each per box	30 each
1423-XR/ID	051115-13791	Programmable	Water	30 each per box	30 each
1424-XR/ID	051115-13792	Programmable	Wastewater	30 each per box	30 each
1425-XR/ID	051115-13793	Programmable	Gas	30 each per box	30 each
1427-XR/ID	051115-13690	Programmable	CATV	30 each per box	30 each
1428-XR/ID	051115-13691	Programmable	General Purpose	30 each per box	30 each



## Markers

### 3M™ EMS Near-Surface Markers

The 3M™ EMS Near-Surface Markers provide an accurate, long-lasting method of marking underground facilities. The markers have a range of up to three feet from marker to locator and can be programmed to include customer specific information (iD version).

<b>Marker Type</b>	Near Surface
<b>Passive Depth</b>	2 ft (0.6 m)
<b>Programmable Depth</b>	3 ft (0.9 m)
<b>Dimensions (Inches)</b>	3 in Height x .78 in Diameter
<b>Dimensions (Metric)</b>	7.6 cm Height x 2 cm Diameter



Order No.	UPC #	Programmable/Passive	Application/Industry	Packaging	Minimum Order
1432	054007-69162	Passive	Telephone	50 each per box	50 each
1432-XR/ID	051115-22750	Programmable	Telephone	50 each per box	50 each
1433	054007-69168	Passive	Power	50 each per box	50 each
1433-XR/ID	051115-22751	Programmable	Power	50 each per box	50 each
1434	054007-69169	Passive	Water	50 each per box	50 each
1434-XR/ID	051115-22752	Programmable	Water	50 each per box	50 each
1435	054007-69170	Passive	Wastewater	50 each per box	50 each
1435-XR/ID	051115-22753	Programmable	Wastewater	50 each per box	50 each
1436	054007-69171	Passive	Gas	50 each per box	50 each
1436-XR/ID	051115-22754	Programmable	Gas	50 each per box	50 each
1437-XR/ID	051115-30248	Programmable	CATV	50 each per box	50 each
1438-XR/ID	051115-22755	Programmable	General Purpose	50 each per box	50 each



## Markers

### 3M™ EMS Mini-Markers

3M™ EMS Mini-Markers provide an accurate, convenient, long-lasting method of marking underground facilities at depths of up to six feet (1.8 m) from marker to locator.

Marker Type	Mid-Range
Passive Depth	6 ft (1.8 m)
Programmable Depth	N/A
Dimensions (Inches)	8.25 in Diameter x 1.25 in Thick
Dimensions (Metric)	20.1 cm Diameter x 3.2 cm Thick



Order No.	UPC #	Programmable/Passive	Application/Industry	Packaging	Minimum Order
1255	054007-37764	Passive	Telephone	50 each per box	50 each
1256	054007-37765	Passive	Power	50 each per box	50 each
1257	054007-37766	Passive	Water	50 each per box	50 each
1258	054007-37767	Passive	Wastewater	50 each per box	50 each
1259	054007-37768	Passive	Gas	50 each per box	50 each

### 3M™ EMS Full-Range Markers

3M™ EMS Full-Range Markers provide an accurate, convenient, long-lasting method of marking underground facilities. The marker has a range of up to eight feet (2.4 m) from marker to locator.

Marker Type	Full Range
Passive Depth	8 ft (2.4 m)
Programmable Depth	8 ft (2.4 m)
Dimensions (Inches)	15 in Diameter x .65 in Thick
Dimensions (Metric)	38.1 cm Diameter x 1.7 cm Thick



Order No.	UPC #	Programmable/Passive	Application/Industry	Packaging	Minimum Order
1248-XR/ID	051115-22749	Programmable	General Purpose	25 each per box	25 each
1250	054007-37699	Passive	Telephone	25 each per box	25 each
1250-XR/ID	051115-22744	Programmable	Telephone	25 each per box	25 each
1251	054007-37706	Passive	Power	25 each per box	25 each
1251-XR/ID	051115-22745	Programmable	Power	25 each per box	25 each
1252	054007-37727	Passive	Water	25 each per box	25 each
1252-XR/ID	051115-22746	Programmable	Water	25 each per box	25 each
1253	054007-37726	Passive	Wastewater	25 each per box	25 each
1253-XR/ID	051115-22747	Programmable	Wastewater	25 each per box	25 each

## Markers

### 3M™ EMS Full-Range Markers (continued)

Order No.	UPC #	Programmable/Passive	Application/Industry	Packaging	Minimum Order
1254	054007-37731	Passive	Gas	25 each per box	25 each
1254-XR/ID	051115-22748	Programmable	Gas	25 each per box	25 each

### 3M™ Extended-Range Disk Markers (Not for Direct Bury)






3M™ Extended-Range 5' Disk Markers are not for direct buried applications and provide an easy, accurate method of locating flush-mounted facilities which become covered by backfill or other obstructions, such as snow or vegetation. RFID markers can be programmed to include customer specific information.

<b>Marker Type</b>	Disk Marker
<b>Passive Depth</b>	5 ft (1.5 m)
<b>Programmable Depth</b>	5 ft (1.5 m)
<b>Dimensions (Inches)</b>	4 in Diameter x .38 in Thick
<b>Dimensions (Metric)</b>	10.2 cm Diameter x 0.09 cm Thick






Order No.	UPC #	Programmable/Passive	Application/Industry	Packaging	Minimum Order
1411-XR	051138-88369	Passive	Telephone	210 each per box	210 each
1411-XR/ID	051115-16091	Programmable	Telephone	210 each per box	210 each
1412-XR	051138-88370	Passive	Power	210 each per box	210 each
1412-XR/ID	051115-16092	Programmable	Power	210 each per box	210 each
1413-XR	051138-71735	Passive	Water	210 each per box	210 each
1413-XR/ID	051115-16093	Programmable	Water	210 each per box	210 each
1414-XR	051138-71736	Passive	Wastewater	210 each per box	210 each
1414-XR/ID	051115-16094	Programmable	Wastewater	210 each per box	210 each
1415-XR	051138-71737	Passive	Gas	210 each per box	210 each
1415-XR/ID	051115-16095	Programmable	Gas	210 each per box	210 each
1417-XR	051138-75575	Passive	CATV	210 each per box	210 each
1418-XR	051138-87075	Passive	General Purpose	210 each per box	210 each

## 3M™ Direct Connect Accessories




	2876	2892	8006
			
UPC #	054007-71921	054007-19483	054007-34027
Product Name	3M™ Large Clip Direct-Connect Transmitter Cable for Most Cable/Fault Locators 2876	3M™ Small Clip Direct-Connect Transmitter Cable for All Cable/Fault Locators 2892	3M™ Ground Rod 8006
Description	Two lead, 10 ft cables used for direct connection to cable and ground.	Two lead, 10 ft cables used for direct connection to cable and ground.	For applying ground capability. Stainless steel.
Compatible With	2250/2273, 2220M, 2250M/2273M, 2550/2573	2250/2273, 2220M, 2250M/2273M, 2550/2573	2250/2273, 2220M, 2250M/2273M, 2550/2573
Packaging	1 each per box	1 each per box	1 each per box
Minimum Order	1 each	1 each	1 each
	9012	9043	
			
UPC #	054007-31275	054007-34026	
Product Name	3M™ Direct Connect, 5-foot Transmitter Cable, Telephone 9012	3M™ Ground Extension Cable 9043	
Description	Two lead, 5 ft cables used for direct connection to conductor and ground. The 9012 cable has smaller Telco style alligator clips with an insulation piercing needle incorporated.	Extends ground capability to 12 ft.	
Compatible With	2250/2273, 2220M, 2250M/2273M, 2550/2573	2250/2273, 2220M, 2250M/2273M, 2550/2573	
Packaging	1 each per box	1 each per box	
Minimum Order	1 each	1 each	

## 3M™ Couplers



	1196	1196/C	3001	3019
				
UPC #	054007-19042	051115-18603	054007-31258	054007-91427
Product Name	3M™ 6" Dyna-Coupler with Pouch, 1196	3M™ 6" Dyna-Coupler with Pouch & 9011 Coupler Cable, 1196/C	3M™ 3" Dyna-Coupler, 3001	3M™ Cable Locator Coupler Accessory Kit 3019
Description	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 feet.	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 feet.	Permits coupling of RF trace tone to cables with a maximum diameter of 3 feet.	The 3019 Accessory Kit contains a 3001 3 inch Dyna-coupler and a 9011 Coupler Cable with a case that can be attached onto the locator.
Compatible With	2250/2273, 2220M, 2250M/2273M, 2550/2573	2250/2273, 2220M, 2250M/2273M, 2550/2573	2250/2273, 2220M, 2250M/2273M, 2550/2573	2250/2273, 2220M, 2250M/2273M, 2550/2573
Packaging	1 each per box	1 each per box	1 each per box	1 each per box
Minimum Order	1 each	1 each	1 each	1 each

## Locator & Marker Accessories




### 3M™ Couplers (continued)

	4001	4519	9011
			
UPC #	051115-26012	051115-53600	054007-31274
Product Name	3M™ 4.5" Dyna-Coupler 4001	3M™ Dynatel Locator Coupler Accessory Kit 4519	3M™ Coupler Cable 9011
Description	Permits coupling of RF trace tone to cables with a maximum diameter of 4.5 feet.	The 4519 Accessory Kit contains a 4001 4.5 inch Dyna-coupler and a 9011 Coupler Cable with a case that can be attached to the transmitter.	For use with any Dynatel Transmitter, Receiver, or Coupler: length of 12 feet.
Compatible With	2250/2273, 2220M, 2250M/2273M, 2550/2573	2250/2273, 2220M, 2250M/2273M, 2550/2573	2250/2273, 2220M, 2250M/2273M, 2550/2573
Packaging	1 each per box	1 each per box	1 each per box
Minimum Order	1 each	1 each	1 each




### 3M™ Fault Finding Accessories

	3014	9026
		
UPC #	054007-31267	054007-31284
Product Name	3M™ Earth Contact Frame 3014	3M™ Earth Contact Frame Cable 9026
Description	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.	For use with the 3014 Earth Contact Frame for sheath (earth return) fault location; length of 4 feet.
Compatible With	2273, 2273M, 2573	2273, 2273M, 2573
Packaging	1 each per box	1 each per box
Minimum Order	1 each	1 each




### 3M™ Dynatel™ Receivers

	2250-UR3	2250M-ID/UR	2250M-UR
			
UPC #	051138-36421	051115-13606	051115-13614
Product Name	3M™ Dynatel™ Locator Model 2250-UR3 Receiver Only	3M™ Ultra Advanced Cable/Pipe Locator US Receiver with iD Features 2250M-ID/UR	3M™ Ultra Advanced Cable/Pipe Locator US Receiver 2250M-UR
Description	3M™ Dynatel™ Locator Model 2250-UR3 Receiver only, US model.	Includes 2250M Receiver only with EMS-iD locating capabilities.	Includes 2250M Receiver only.
Compatible With	2250-U3T, 2250-U5T	2250-U3T, 2250-U5T	2250-U3T, 2250-U5T
Packaging	1 each per box	1 each per box	1 each per box
Minimum Order	1 each	1 each	1 each

### 3M™ Dynatel™ Receivers (continued)

	2273-U3R	2273M-ID/UR	2273M-UR
			
UPC #	051138-88218	051115-13590	051115-13598
Product Name	3M™ Cable/Fault Locator Receiver US 60HZ/ inches 2273-U3R	3M™ Ultra Advanced Cable/Pipe/Fault Locator US Receiver with iD Features 2273M-ID/UR	3M™ Ultra Advanced Cable/Pipe Fault Locator US Receiver 2273M-UR
Description	3M™ Dynatel™ Locator Model 2273 Receiver only, US model.	Includes 2273M Receiver only with EMS-iD locating capabilities.	Includes 2273M Receiver only.
Compatible With	2273-U3T, 2273-U5T	2250-U3T, 2250-U5T	2250-U3T, 2250-U5T
Packaging	1 each per box	1 each per box	1 each per box
Minimum Order	1 each	1 each	1 each


### 3M™ Dynatel™ Transmitters

	2250M-U12WT TRANSMITTER	2273-U3T	2273M-U12WT TRANSMITTER
			
UPC #	051115-06080	051138-88219	051115-30286
Product Name	3M™ Dynatel™ 12-watt Transmitter 2200M Series, 2250M-U12WT	3M™ Cable/Fault Locator Transmitter US 3W 2273-U3T	3M™ Dynatel™ 12-watt Transmitter 2200M Series, 2273M-U12WT
Description	Includes 2250M 12-watt Transmitter, ground rod, and rechargeable battery.	Includes 2273/2273M transmitter only.	Includes 2273M 12-watt Transmitter, ground rod, and rechargeable battery.
Compatible With	2250-UR, 2250M-UR, 2250M-ID/UR	2273-UR, 2273M-UR, 2273M-ID/UR	2250-UR, 2250M-UR, 2250M-ID/UR
Packaging	1 each per box	1 each per box	1 each per box
Minimum Order	1 each	1 each	1 each




### 3M™ Locator Carrying Bags and Batteries

	2200	2200M	2200M-USB	2200RB
				
UPC #	051138-57443	051115-14549	051115-30290	051115-18256
Product Name	3M™ Soft Carrying Bag	3M™ Soft Carrying Bag	3M™ USB Cord for 2200M/1420	3M™ Rechargeable Battery
Description	Soft carrying bag for the 2200 series product line (2210, 2250, 2273).	Soft carrying bag for the 2200M and 2500 series product line.	USB cord to the RS232 Converter for 2200M/1420 locators.	2200RB Series rechargeable battery for 5- and 12-watt units.
Compatible With	2250/2273	1420, 2200M, 2250M/2273M	1420, 2200M, 2250M/2273M	2273-U5T, 2250-U12WT, 2273-U12WT
Packaging	1 each per box	1 each per box	1 each per box	1 each per box
Minimum Order	1 each	1 each	1 each	1 each

## 3M™ Sondes

3229	
	
UPC #	054007-92360
Product Name	3M™ ADP 33KHZ Sonde for use with Dynatel Series Locators 3229
Description	The 3200 Series Active Duct Probe is an active mini-transmitter (sonde) which allows the user to trace the path of conduit. The ADP can help the user pinpoint key points, such as J-boxes, handholes and stubs.
Compatible With	2250/2273, 2220M, 2250M/2273M, 2550/2573
Packaging	1 each per box
Minimum Order	1 each

## 3M™ Dynatel™ Marker EZ Writer Station

	1420EZ-STATION	1420EZ-STAND	1420EZ-WRITER
			
UPC #	051115-30242	051115-30243	051115-30241
Product Name	3M™ Dynatel™ 1420EZ-Station	3M™ Dynatel™ 1420EZ-Stand	3M™ Dynatel™ 1420EZ-Writer
Description	Writer and stand (writes up to 10 RFID markers).	Stand only (writes up to 10 RFID markers).	Writer only (for use with 1420EZ-STAND).
Compatible With	1420	1420	1420
Packaging	1 each per box	1 each per box	1 each per box
Minimum Order	1 each	1 each	1 each