



Dynatel™

2210 Cable Locator



1

The 3M™ Dynatel™ 2210 Cable Locator pinpoints the exact path of underground cables and conductors. Lightweight and easy to use, the Dynatel 2210 cable locator quickly and accurately:

- Locates cable path
- Measures cable depth with the push of a button
- Measures relative signal current in the target cable
- Locates power cable with direct readout of cable depth

The cable locator is simple to operate and interpret and is suitable for most locating tasks. The locator incorporates an improved peak locating mode which provides a sharp peak response, allowing easy discrimination between adjacent cables. The unit estimates cable depth quickly and simply, giving a digital readout in inches.

The unit consists of two basic components:

- Transmitter with built-in circuit continuity tester, frequency and output level selections
- One-piece hand-held receiver

The cable locator operates using two different active frequencies: 577 Hz and 33 kHz. The 577 Hz tone is applied by direct metallic connection and is used for extended distance locating. The 33 kHz tone is useful for precise cable locating over medium distances and is applied by direct connection or induction using either a Dyna-Coupler or the unit's internal antenna.



2

The locator features an easy-to-read bar graph on the receiver to indicate received signal and proximity to the cable. The unit is powered by readily available alkaline batteries.

All components are constructed of tough and rugged materials designed to withstand typical field use.

The 2210 Cable Locator provides passive locating without the transmitter using the Power signal (60 Hz) from energized power cables.

Standard Dynatel accessories

- Direct-Connect Transmitter Cable
- Ground Rod; stainless steel

Optional Dynatel accessories

- 3019 Dyna-Coupler Kit, consists of 3" Dyna-Coupler for use on cables up to 3" (7.6 cm), Coupler Extension Cable, and Pouch
- 3005 1" Dyna-Coupler; for use on cables up to 1" (2.5 cm) in diameter
- 1196 6" Dyna-Coupler; for use on cables up to 6.9" (17.5 cm) in diameter.

3M™ Dynatel™ 2210 Cable Locator

Physical specifications

Size	
Transmitter	6.75"H x 11.25"W x 7.75"D (17.2 cm x 28.6 cm x 19.7 cm)
Receiver	25.5"H x 3.75"W x 10.75"D (64.8 cm x 9.5 cm x 27.3 cm)
Weight	
Transmitter	5.2 lbs. (2.4 kg)
Receiver	3.9 lbs. (1.8 kg)
Shipping	15.7 lbs. (7.1 kg)
Temperature	
Operating	-4° to 122°F (-20° to 50°C)
Storage	-40° to 122°F (-40° to 70°C) (without batteries)

Electrical specifications

Receiver	
Frequency	
Active	577 Hz, 33 kHz
Passive	60 Hz (Power)
Depth	
Range	0 to 180" (0 to 4.5 m)
Accuracy	±10% ± 1 digit, 0 to 60" (0 to 1.5 m); ±15%, 60 to 180" (1.5 to 4.5 m)
Power	Six alkaline "AA" batteries
Typical battery life	84 hours (normal audio level)
Transmitter	
Trace frequency	One of two user-selectable frequencies: 577 Hz, 33 kHz
Output power	Normal setting: 100 milliwatts High setting: 3 Watts
Power	Six alkaline "C" cells
Typical battery life	50 hours (normal mode); 10 hours (boost mode)

Ordering Information

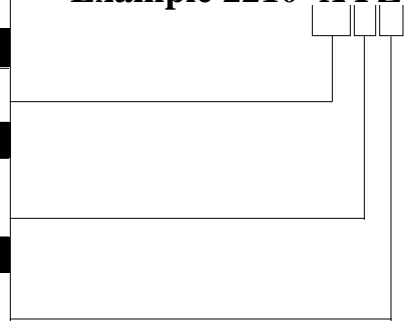
To order, specify the appropriate Dynatel 2210 Cable Locator using the table below.

Generic product number: 2210-XYZ

Market	Receiver	Transmitter	Code X
USA	60 Hz/inches	3 Watt	U3
Canada	60 Hz/centimeters	3 Watt	C3
Typical Use	Direct connect cable configuration	Code Y	
Telephone	5 foot cable with telco style direct connection clips	T	
Power	10 foot cable with large alligator direct connection clips	P	
CATV	10 foot cable with telco style direct connection clips	C	
Coupler Kit		Code Z	
No coupler kit		N	
3" coupler kit		3	

Example: 2210-U3P3 translates to a 2210 Locator for the USA market, used by a power utility and includes a 3" Dyna-Coupler, Coupler cable and pouch

Example 2210-XYZ



Important Notice

All statements, technical information, and recommendations related to Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

Any statements or recommendations of the Seller which are not contained in the Seller's current publications shall have no force or effect unless contained in an agreement signed by an authorized officer of Seller. The statements contained herein are made in lieu of

all warranties, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose which warranties are hereby expressly disclaimed.

SELLER SHALL NOT BE LIABLE TO THE USER OR ANY OTHER PERSON UNDER ANY LEGAL THEORY, INCLUDING BUT NOT LIMITED TO NEGLIGENCE OR STRICT LIABILITY, FOR ANY INJURY OR FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES SUSTAINED OR INCURRED BY REASON OF THE USE OF ANY OF THE SELLER'S PRODUCTS THAT WERE DEFECTIVE.



Telecom Systems Division

6801 River Place Blvd.
Austin, TX 78726-9000
800/426 8688
FAX 800/626 0326



Recycled paper
40% pre-consumer
10% post-consumer

Litho in USA.

© 3M 1996 80-6109-3026-7 (0567.5)