



3200 Series Active Duct Probe



Photograph Shown Actual Size

The quick, efficient way to trace underground facilities and locate blockages

The 3M™ 3200 Series Active Duct Probe (ADP) is an active mini-transmitter (sonde) which allows the user to trace the path of many types of non-metallic underground facilities:

- Electrical/CATV/telephone conduit
- Gas pipelines
- Water and wastewater pipelines

The ADP can help the user pinpoint key points, such as J-boxes, handholes and stubs. After location, these points can be marked with 3M™ EMS markers for efficient location at a later date.

When a conduit or pipe has been crushed or becomes blocked, the trouble spot is easily located using the active duct probe.

The active duct probe consists of two components:

- A high-strength Delrin case that provides low-friction, chemical-resistant performance.
- An inter-functional portion (IFP) unit that is tuned to a specific frequency for the desired application. The IFP can be easily replaced with another unit tuned to a different frequency.

The ADP can be attached to a push-rod or pull-tape and inserted into a buried non-metallic sewer, duct, drain or pipe. Then the Dynatel ADP can be accurately located using 3M™ Dynatel™ 2200 Series Cable/Fault Locators, 3M™ Dynatel™ 500-Series Cable/Fault Locators and 3M™ EMS II Locators, as well as other competitive locators using the appropriate frequency.

3M™ 3200 Series Active Duct Probe

Physical Specifications

| | |
|--------------------|---|
| Size | 6" long x 1.625" diameter (153 mm x 42 mm) |
| Weight | Empty: 7.5 oz. (215 gm) With battery: 9.3 oz. (260 gm) |
| Detectable range* | 20 ft. (6.1 m) typical |
| Depth measurement* | Range: 2 to 15 ft. (0.6 to 4.6 m) Accuracy: ±15% or 4 in. (10 cm) whichever is greater |

Environmental Specifications

| | |
|------------------------|------------------------------------|
| Operating temperature | -4° to 122°F (-20° to 50°C) |
| Storage temperature | -40° to 158°F (-40° to 70°C) |
| Maximum water pressure | 50 ft. (15 m) when properly closed |

Electrical Specifications

| | |
|--------------|--|
| Battery | 9-volt (NEDA 1604A alkaline or equivalent) |
| Battery life | 40 hours typical |

* When using 3M Dynatel Locators: 2210, 2250, 2273, 500DL, 573DL, 2220L, or 4420L.

Ordering Information

To order, specify product number from chart below.

| Product Number | Description | Compatible Locator |
|----------------|------------------------------|---|
| 3229 | ADP 33 kHz Sonde | 3M™ Dynatel™ 2210, 2250 and 2273, 500DL, 573DL, 2220L, 4420L locators |
| 3230 | ADP Canadian Telephone Sonde | Canadian Telephone EMS II locators |
| 3231 | ADP Gas Sonde | Gas EMS II locators |
| 3232 | ADP Telephone Sonde | Telephone EMS II locators |
| 3233 | ADP Wastewater Sonde | Wastewater EMS II locators |
| 3234 | ADP Water Sonde | Water EMS II locators |
| 3235 | ADP Power Sonde | Power EMS II locators |
| 3236 | ADP 300 kHz Sonde | 500A and 573A locators |
| 3237 | ADP 320 kHz Sonde | 500AP and 573AP locators |
| 3238 | ADP 340 kHz Sonde | 500AC and 573AC locators |

Important Notice

WARRANTY AND REMEDY. This product will conform to 3M published specifications and be free from defects in materials and workmanship for a period of one year from the date of purchase. In addition, 3M provides the following Conditional Lifetime Warranty for its Electronic Marker Products: When installed in accordance with 3M's installation instructions, 3M warrants 3M™ 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™ Test and Measurement Instruments 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 applications or that have been repaired or altered by others. 3M MAKES NO OTHER WARRANTY INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If the Marker is found to be defective within the stated warranty period, your exclusive remedy shall be, at 3M's option, to repair or replace the Marker or refund the purchase price. 3M will not be liable for any special, incidental, or consequential damages arising from use of this 3M product, regardless of the legal theory asserted.

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40% Pre-consumer waste paper
10% Post-consumer waste paper

Litho in USA.

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