



# ScotchMark™ Electronic Marker System

## Mid-Range Marker for gas, water and wastewater applications



Find your underground facilities the first time

The Mid-Range Marker provides an accurate, convenient, long-lasting method of marking underground facilities at depths up to six feet. Electronic marking eliminates time and money spent searching for “lost” facilities. And, unlike surface markers such as stakes, flags or paint, the mid-range marker cannot be inadvertently removed or worn away by weather.

The mid-range marker is buried over key facilities during construction or maintenance. Later, the marker is easily and accurately located using a EMS II Marker locator, which consists of a compact electronics package and a lightweight hand-held probe. The locator transmits a signal to the buried marker. The marker reflects the signal back to the locator, and its exact location is indicated with both a visual meter reading and an audible tone. The marker has a range of up to six feet (1.8 m) from marker to locator.

### Built for durability

The mid-range marker is a passive antenna encased in a water-resistant polyethylene shell which is impervious to minerals, chemicals and temperature extremes normally found in underground plant environments. The marker can be attached to a pipe, conduit or splice case with a tie-down strap (optional) if desired.

### On the mark for every application

The ScotchMark™ system is the most dependable way to mark virtually any type of facility, including:

#### Gas

- buried valves or valve boxes
- tees
- road crossings
- buried anodes
- service stubs
- snow-covered installations
- pipeline paths
- drip pots

#### Water

- valve boxes
- service stubs
- road crossings
- pipeline paths
- meter boxes
- tees
- main stubs
- snow-covered installations

#### Wastewater

- service stubs
- laterals
- pipeline paths
- clean-outs
- road crossings
- snow-covered installations

## ScotchMark™ Electronic Marker System

Features	Benefits
Accurate even in congested areas	Helps eliminate mislocates
Underground marker	Able to identify underground facilities for years to come, regardless of topographic changes
Durable	Long-lasting passive antenna encased in waterproof shell helps identify underground facilities for years to come
Frequency- and color-coded	Helps identify specific utility
Easy to use	Minimal training

Easy to use, and accurate in congested areas

The ScotchMark™ system is accurate even in congested areas. The locator is not affected by metal conduit or pipe, metallic conductors, fences, or AC power. There is no danger of finding another utility's markers, because each ScotchMark marker is tuned to a specific frequency for your utility, and the locator is preset only to that frequency. Use of the locator and markers requires only a few minutes of training.

The ScotchMark family of products

Other ScotchMark Markers are available for a variety of applications. These include:

- Full-range marker – applicable to depths of eight feet (2.44 m). Also acts as a digging shield

- 4" ball marker – applicable to depths of five feet (1.5m). Unique self-leveling feature makes installation easier and assures accurate locates.
- Disc marker – for mounting under non-metallic lids or covers such as valve boxes, and is not intended for direct burial. It can be read at depths up to five feet.
- Near-surface marker – designed for applications of up to two feet (0.61m) from marker to locator probe. Installs easily in street surfaces for marking flush-mount facilities prior to repaving.

All ScotchMark markers are color-coded to APWA standards and tuned to a specific frequency for each utility, minimizing the chance of accidentally locating other utilities' buried markers

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### Physical Specifications

Size	8 1/4" diameter x 1 1/4" thick	(20.96 cm x 3.18 cm)
Weight	Net: 5oz. (141.8 gm) each	Shipping 17lbs. (7.7kg)/carton
Packaging	50 markers/carton	
Range	6' (1.8m) from locator probe	
Color	Color-coded for each utility to APWA standards	

### Environmental Specifications

Operating temperature	-22° to 150°F	(-30° to 66°C)
Storage temperature	-40° to 167°F	(-40° to 75°C)

### Ordering information

To order, contact the 3M order department at the toll-free number below and specify part number from the following chart:

	Gas	Water	Wastewater
APWA Color Code	Yellow	Blue	Green
Mid Range Marker	1259	1257	1258

Phone: 800-722-6721 or 512-984-1038

Fax: 800-828-9329 or 512-984-2210

### 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 Scotchmark EMS Electronic Marker 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 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.



### Corrosion Protection Department

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10% Post-consumer waste paper

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