

UTILITY TOOLS

SPIKE MARKER

TESTING | TROUBLESHOOTING | ACCURACY

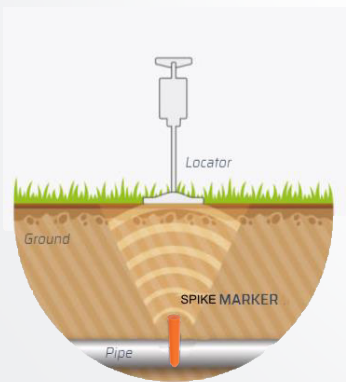
Product Features:

Introducing "Spike"

Spike Markers are designed for marking objects buried in soil up to one meter (3.3ft) deep, or even slightly more. This covers most utilities' "distribution" ducts and similar applications such as cable TV drops, fiber drops, traffic light control cables, or power, gas, and district heating lines to properties. Spikes are ideal for shallow, narrow ducts where the Tempo Omni Marker II is impractical.

Why Spike Markers?

Electronic marker systems save time and money while boosting safety and efficiency. Electronically marked utilities are much easier to accurately locate. This is especially true of "non-conductive" and "non-ferrous" cables, pipes, and ducts. Spike markers are ideal for marking key points in networks such as tees, valves, overgrown junction boxes, and more. This improves the safety of workers, the public, and the underground plant itself. Investing in additional marking eliminates the need for costly utility strikes and saves hours of unnecessary digging by pinpointing underground applications.



Performance

Spikes markers utilize high-density polyethylene, ensuring impermeability to water and matching the lifespan of the equipment they are buried alongside. Compatible with virtually all marker locators and available with industry-standard frequencies and color combinations, Spikes offer easy

identification. For optimal versatility, use the Tempo EML-100 locator, which scans ALL marker frequencies in one pass.

If mounted vertically Tempo Spikes are detectable to greater than 1.0 m (3.3 ft) depth with EML-100. If the soil becomes disturbed and the marker becomes horizontal or is installed horizontally, Tempo Spikes remain detectable up to 0.6 m (2 ft).



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↑
3.3ft
↓

Precisely Located Up To 3.3 ft. Deep

The Spike Marker provides a strong field that is easy to detect years later, with a signal peak directly above the marker for precise location within inches.



Compatible with All Marker Locators

Because Spike Marker uses industry standard frequencies, they will work with any electronic marker locating devices.

Rugged Enclosure

Protection



Compact and Easy to Install

The Spike Marker is less than 20mm diameter meaning you can "fit almost anywhere". Attach the marker to the duct or service and backfill. The coil will give a precision location directly above.



Compact, with No Hazardous Chemicals

The Spike Marker contains no potentially hazardous chemicals. This eliminates the need for material safety data sheets. Plus, the Spike Marker's durable, compact design keeps your shipping and storage costs low while giving you years of reliable service.



Passive, High Reliability Design Assures Many Years of Service

The Spike Marker contains no batteries or active components, and is built using high-reliability, long life materials ensuring these markers last as long as your buried plant.

SPIKE MARKER












Example of use with
DUCT COUPLER

Resonant Coil



Ordering Information:

APPLICATION	COLOR	FREQUENCY	SPIKE MODEL #
Non-Potable Water	Purple 	66.4 kHz	SM11
Cable TV	Orange Black 	77.0 kHz	SM12
Gas	Yellow 	83.0 kHz	SM13
Fiber Optic	Yellow Black 	92.0 kHz	SM14*
Telephone	Orange 	101.4 kHz	SM15*
Sanitary	Green 	121.6 kHz	SM16
Europower	Blue Red 	134.0 kHz	SM17
Water	Blue 	145.7 kHz	SM18
Power	Red 	169.8 kHz	SM19

*Fiber Optic version (SM24) and Telephone version (SM25) available with 7mm coupler cap for attachment to microducts with compatible coupler.

Specifications:

Case: High density polyethylene

Identification: By color

Vertical Range: 1.0m deep (3.3 ft)

Design Service Life: More than 50 years

Detection Field: Dipole magnetic field

Marker Diameter: 19.8 mm (.78 in)

Marker Length: 89mm (3.5 in)

Weight: .07 lb (.03 kg)/ 3.7 lbs (1.7 kg) per carton of 50

External Materials: High density polyethylene. Marker is waterproof and resistant to acids, alkalis and solvents. The same material as used for the majority of underground plant and accessories.

Ordering Information:

Spike Markers are ordered by the case, with 50 to the case. Minimum order is one case. Available for all standard utilities. The Spike Markers are available in all industry standard colors and frequencies, to suit multiple utility applications.

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