



ELECTRONIC MARKER & SMART BALL

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ADVANCED ELECTRONIC MARKER TECHNOLOGY FOR UNDERGROUND UTILITIES

Electronic Marker System

Enermak Enerji is the leader manufacturer of electronic markers in Turkish market. We have been working with telecom and underground field sector since many years and provide them high quality products.

Thanks to the very practical shape of markers, it can be placed at critical points in the construction phase of the line or on the route, it is possible to determine the path of the line or the marked point in millimeters. Smart Balls create a regular global RF field that spans all directions. Thanks to its unique shape, it can be quickly and reliably detectable by detectors.

Direct warning when approaching from any direction within 3 meters diameter and the location can be detect milimetric with locaters such as RD7000/RD8000 and EML-100. It is not a special form of installation and can be left randomly within the area to be marked.

Technical Specifications

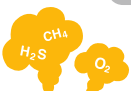
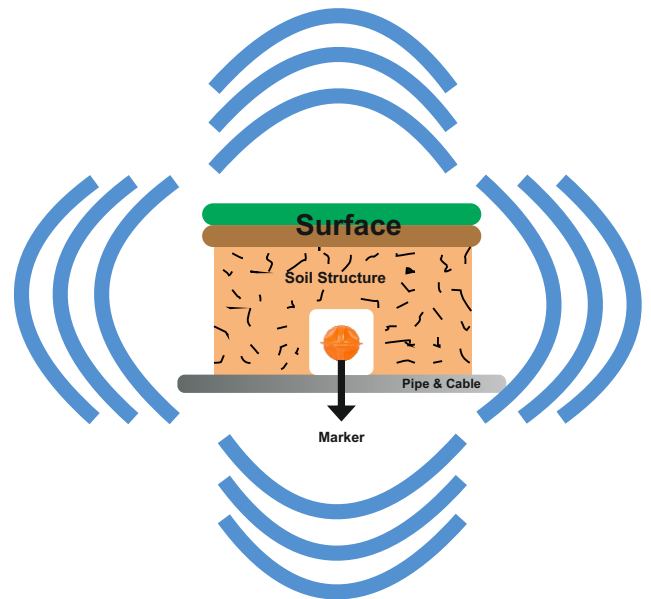
- * Depth is 1.5 meters.
- * Very light and 11 cm diameter.
- * Has a wide range of detection.
- * Thanks to its special shape, it can be placed in very small channels.
- * Compatible with RD 7000 - RD 8000 - EML 100 Detectors.
- * No batteries or energy required.
- * Provides easy detection in large areas.
- * There is no need for placement or leveling.
- * Fast and secure detection is done.
- * It has different colors according to the industry.

Application Areas

- * Joints
- * Load coils
- * Embedded service points
- * Line breaks
- * Canal and waterways
- * Road crossings
- * Cable routes
- * Fiber optic lines

Features

- * Measure: 4.5 inch DN (11.4 maximum)
- * Weight: 0.14 Kg
- * Sealing: 23 ° C (1.5 meters)
- * Field Type: Global





TECHNICAL SPECIFICATIONS

APPLICATION	COLOUR	FREQUENCY	MODEL NUMBER
Electrical	Red	169.8 kHz	Nt0012
Water	Blue	145.7 kHz	Nt0013
Waster Water	Green	121.6 kHz	Nt0014
Telecom	Orange	101.4 kHz	Nt0011
Gas	Yellow	83.0 kHz	Nt0015
Operating Water	Purple	66.35 kHz	Nt0017
Cable TV	Orange / Black	77.0 kHz	Nt0016



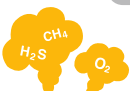
Visual Conformity	IEC 60512-2-1Aref, Inhouse Method	VALID
Water Sealing	IEC 61300-2-32	VALID
Fall-in Functional Shock	Inhouse Method	VALID
Ultraviolet	IEC 61300-2-30, ISO 180	VALID
Abrasion	IEC 61300-2-34 IEC 60068-2-11	VALID

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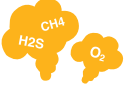




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