

FIBER MARKING & LOCATING

Protect your Fiber Network!

TESTING | TROUBLESHOOTING | ACCURACY



FAST.

92kHz Fiber OmniMarker™ can be placed in any orientation. Fiber enhanced Marker Mate's scan mode can locate all 9 electric utilities simultaneously.



ACCURATE.

The 3 orthogonally mounted coils of the OmniMarker™ produce a stronger signal and the Marker-Mate's pinpoint feature can detect precise location.



RELIABLE.

No MSDS for our OmniMarkers™ means no fluids to be spilled which reduces mitigation cost and the Marker Mate's ability to detect all marker brands mean you only need one tool.

Product Features:

ENSURE YOUR BURIED NETWORKS ARE PRECISELY FOUND.

FIBER OMNI-MARKER

- **EASY TO USE:** Does not require any particular orientation when buried and fits into standard 4 inch trench with NO EXTRA DIGGING.
- **RELIABLE:** No floating parts or liquids to contaminate the environment.

MARKER-MATE

- **THE RIGHT TOOL:** The scan mode and pinpoint accuracy within the EML-100 reduces time locating OmniMarker™, UniMarker™ and other markers made to industry standard frequencies.
- **ACCURATE:** User-Adjustable detection threshold is shown in bar graph, numerica and audible signal strength options and is equipped with battery warnings within its rugged design.

ORDERING INFORMATION:

CAT. NO.	DESCRIPTION
EML100	Marker Mate Locator



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SPECIFICATIONS:

Housing Material:	High density welded polyethylene
Identification:	Solid moulded colour and moulded text
Detection Range:	1.5 m typical (5 ft) for all models (using Tempo EML-100 or RD8000MRX)
US Patents:	5,699,048 and 6,097,293
Detection Field:	Dipole (Uni Marker model), Spherical (Omni Marker model)
Frequency tolerance:	± 0.35 %
Detection Offset:	15 cm (6") maximum at 1.5 m (5 ft)
Overall Diameter:	115 mm (4½") max
Minimum Trench Width:	100 mm (4") Omni Marker case is dimpled to allow this 115 mm (4½") for UniMarker devices
Anchoring:	Two "tie down" loops along flange. UniMarker devices are supplied with a mounting clip
Detection Offset (for OmniMarker or horizontally mounted UniMarker):	15 cm (6") maximum at 1.5 m (5 ft)
Weight:	136 g (0.3 lb) OmniMarker models 70 g (2½ oz) UniMarker models
Interior Foam (OmniMarker models only):	Ensures precise mechanical alignment of the coils and structural strength.
Water Penetration:	Housing welded leak tight. Pressure tested at production.
Crush strength:	35 pounds (155 N) applied with 0.187" (4.75 mm) radius point causes less than 0.25" (6 mm) deflection. 400 pounds (1780 N) uniformly distributed load with 1.5" (40 mm) aggregate.
Puncture resistance:	22 pounds (100 N) applied with a point that has a 1/64 Inch (0.4 mm) radius.
Chemical Resistance:	High density polyethylene has good resistance to non-oxidising acids, alkalis and solvents (tested with diesel fuel, gasoline, alcohol, acetone and motor oil).
Drop and Shock Resistance:	20 foot (6 m) drop on concrete
Interior Foam (OmniMarkers only):	Provides mechanical alignment of the coils and structural strength.
Temperature:	-30 C to +65 C (operation), -40 C to +75 C (storage)
UV Resistance:	1 year direct sunlight (simulating storage)

MARKER BALLS:

COLOR(S)		FREQ. (kHz)	COMMON USE	UNIMARKER	OMNIMARKER
YELLOW	BLACK	92.0	Fiber Optic	Model 183	Model 180
PURPLE		66.35	Non-potable water	Model 178	Model 168
ORANGE	BLACK	77.0	Cable TV	Model 175	Model 165
YELLOW		83.0	Gas	Model 174	Model 164
ORANGE		101.4	Telephone	Model 173	Model 163
GREEN		121.6	Sanitary	Model 172	Model 162
RED	BLUE	134.0	European Power	Model 182	Model 181
BLUE		145.7	Water	Model 171	Model 161
RED		169.8	Power	Model 170	Model 160

1390 Aspen Way Vista, CA • 92081

TC6595 05/21

Latin America Phone : 1.760.510.0558 | EMEA Phone: +44 (0) 1633 927050

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EMEA Office: Tempo Europe Limited

Brecon House, William Brown Close, Cwmbran • NP44 3AB, UK

TempoCom.com | sales@tempocom.com | tel 800.642.2155



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