

# Marker Locator

## TEMPO™ EML-100 MARKER MATE



**Application:** The Marker-Mate Electronic Marker Locator (EML-100) built by Tempo Communications is designed to locate underground buried electronic markers, including Tempo OmniMarker™ at industry-standard frequencies.

The EML-100 re-sets the industry standard with the updated capability of detecting nine different electronic marker types of buried utilities simultaneously, when in “scan” mode (power, European power, water, sanitary, telephone, fiber optic, gas, cable TV, non-potable water). The EML-100 is also user-selectable for any one of the marker types.

- User adjustable detection limit value
- Precise digital signal processor
- SCAN mode provides simultaneous detection of all marker types
- LCD display (display with large characters)
- Bar graph, numeric and audible signal strength indicators
- Adjustable speaker volume
- Headphone jack
- Battery level indicator
- Low battery warning
- Adjustable auto power off function
- Weather resistant
- Rugged construction

### Construction and technical data:

**Dimensions (W x H x D):** 198 x 778 x 325 mm

**Max. location in depth:** 1.5 m

**Permitted storage and transport temperature:** -40 - +70 °C

**Permitted operating temperature:** -20 - +50 °C



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

In scan mode, all marker types from 66 - 170 kHz can be adjusted.

application	Colour	Marker frequency
Non-Portable water	purple	66,4 kHz
Cable TV	orange - black	77,0 kHz
Gas	yellow	83,0 kHz
Fiber optic	yellow - black	92,0 kHz
Telephone	orange	101,4 kHz
Sanitary	green	121,6 kHz
Europower	blue - red	134,0 kHz
Water	blue	145,7 kHz
Power	red	169,8 kHz
Note: in the fibre-optic broadband sector, the marker -Telephone / orange/ 101.4 kHz- is largely used		

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