

MAUNT®

M10000422
Marker Locator EML-100, Pace



Brand

Pace

Description

Tempo's Marker Locator EML-100 is designed for locating underground, electronic markers. The EML-100 has a depth range of more than 5 metres and detects up to seven different marker types (power, European power, water, plumbing, telephone, fibre optic, gas, cable television, non-potable water). The locator has a scan mode that allows simultaneous detection of all types of marker types. Thanks to its large-print display, it is easy to read. The display includes a bar graph, numeric and audible indicators of signal strength. The speaker volume of this is adjustable and it is also possible to pair headphones. The marker locator has a battery indicator and gives a low battery warning. The adjustable time-out function extends battery life. The device is weatherproof and has a sturdy construction.

General data

Housing material	Polyethylene, high density spliced
Identification	Solid cast colour and cast text
Detection range	1.5 m on average
US patents	5,699,048 and 6,097,293

Electrical data

Detection field	Dipole (Uni Marker model)
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Frequency tolerance	Spherical (Omni Marker model) ± 0.35
Detection anomaly	Maximum 15 cm at 1.5 m
Mechanical data	
Overall diameter	max. 115 mm
Minimum slot width	100 mm
Anchoring	Two 'tie down' loops along the flange.
Weight	136 g
Internal foam (OmniMarker models only)	Ensures precise mechanical alignment of coils and structural strength.
Environmental data	
Water penetration	Casing leak-proof welded. Pressure tested at production.
Compressive strength	155 N applied with a radius of 4.75 mm. Radius tip causes less than 6 mm deflection. 1780 N evenly distributed load with 40 mm aggregate.
Resistance to perforation	100 N applied with a point being a 0.4 mm radius has.
Chemical resistance	The polyethylene has good resistance to non-oxidising acids, alkalis and solvents (tested with diesel, petrol, alcohol, acetone and engine oil).
Fall and shock resistance	6 m drop on concrete
Internal foam (OmniMarkers only)	Ensures the mechanical alignment of the coils and structural strength.
Operating temperature	-30°C to +65°C
Temperature storage	-40°C to +75°C
UV resistance	1 year direct sunlight (simulation of storage)