



Seba Marker

MAR 100-3D and Marker 2500

Benefits

- ▶ Permanent marking and labelling
- ▶ Easy fitting
- ▶ Long service life
- ▶ Fast location

Description

The Seba markers, MARKER 2500 and MAR 100-3D, are electric passive markers used for marking significant locations on underground lines. The markers are buried above the lines when the lines are laid or during repair work (e.g. on the cable sleeve) and can be still located reliably and precisely even years later.

This type of marking is mainly used for non-metallic lines, such as optical cables or non-metallic gas or water pipes for example, where line tracing by conventional means is not possible. Even for cable stretches, the laying of markers has proved to be very effective, e.g., to mark the sleeves, coil boxes or protective pipes.

The MARKER 2500, through its design with a diameter of 225 mm, has a reflected signal strength that is stronger than that of comparable markers. This makes reliable locating even at laying depths of up to 2.30 m possible.

The MAR 100-3D generates a spherical field that is 25% larger than that of a normal marker with a diameter of 10 cm, and thereby makes the marker search far simpler. It furthermore does not contain any liquids, movable parts or other chemical substances, which would complicate its storage and transportation. The patented construction of the MAR 100-3D consists of three oscillating circuits positioned vertically to each other by which a uniform spherical field is generated. The 100-3D MAR thereby does not depend on its position and is superior to any other marker system that is position-dependent.

Different versions of the Seba marker are available for the various line systems.		
Type of line	Colour	Frequency
Cable TV	Orange/Black	77 kHz
Gas	Yellow	83 kHz
Telecommunication	Orange	101,4 kHz
Sewage	Green	121,6 kHz
Water	Blue	145,7 kHz
Power in Amerika*	Red	169,8 kHz
Power in Europe/Asia	Red/Blue	134,0 kHz

* this frequency is not for Europe



MAR 100-3D



MARKER 2500

MAR 100-3D technical data

Location range diameter	1,5 m
Maximum laying depth	1,8 m
Temperature range	-30° C bis +50° C
Dimensions (Ø × H)	13,8 cm

MARKER 2500 technical data

Location range diameter	2,5 m
Maximum laying depth	2,3 m
Pressure resistance	min. 40 kPa
Temperature range	-30° C bis +50° C
Dimensions (Ø × H)	225 x 30 mm

vLocML2 receiver

- ▶ Location of passive markers which are used by utility companies for labelling underground lines
- ▶ Colour-coded display of the signal strength
- ▶ Specific line location mode
- ▶ Specific marker location mode
- ▶ Mode for simultaneous location of lines and markers

