

MAR 100-3D and Marker 2500 Electric passive marker



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

DESCRIPTION

The 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 located reliably and precisely even years later.

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

The MARKER 2500's 225 mm diameter, has a stronger reflected signal strength than that of comparable markers. This makes reliable location possible at depths of up to 2.3 m.

The MAR 100-3D generates a spherical field that is 25% larger than that of a normal marker with a diameter of 10 cm, simplifying the marker search. It does not contain any liquids, movable parts or other chemical substances, which would complicate 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 does not depend on its position and so is superior to any other marker system that is position-dependent.

With the Carloc / Carloc Plus an optional add-on marker locator, markers can be precisely pinpointed.

CARLOC

- High-contrast LCD display, ideal for day and night
- Directional signal to clearly identify the target line
- IP 65 rating, excellent performance in dusty, dirty or wet jobsite conditions
- Choose from 100 frequencies via user-configurable software

PLUS VERSION

- Bluetooth® to connect a GPS and for data transfer
- Depth measurement also sideways when not above the target line
- Ambient Interference Measurement (AIM) technology to scan the best frequency
- Ability to change the frequency and power level from the receiver and switch leads between utilities when using dual output



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| Different versions of the Megger 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 America* | Red | 169,8 kHz |
| Power in Europe/Asia | Red/blue | 134,0 kHz |

* This frequency is not for Europe.

TECHNICAL DATA*

MAR 100-3D

| | |
|-------------------------|--------------------|
| Location range diameter | 1.5 m |
| Maximum laying depth | 1.8 m |
| Temperature range | - 30° C to + 50° C |
| Ball diameter (Ø) | 13 cm |

MARKER 2500

| | |
|-------------------------|--------------------|
| Location range diameter | 2.5 m |
| Maximum laying depth | 2.3 m |
| Pressure resistance | at least 40 kPa |
| Temperature range | - 30° C to + 50° C |
| Dimensions (Ø x H) | 225 x 30 mm |



ORDERING INFORMATION

| Product | Order no. |
|--|-----------|
| Disc marker: | |
| Megger marker 2500 power (red/blue) 134 kHz (for Europe) | 810002095 |
| Megger marker 2500 sewage (green) 121.6 kHz | 810003101 |
| Megger marker 2500 power (red) 169.8 kHz | 810003103 |
| Megger marker 2500 telecom (orange) 101.4 kHz | 810003105 |
| Megger marker 2500 gas (yellow) 83.0 kHz | 810003108 |
| Megger marker 2500 water (blue) 145.7 kHz | 810003110 |
| 3D marker: | |
| Megger marker water (blue) 145.7 kHz | 810855 |
| Megger marker gas (yellow) 83.0 kHz | 810856 |
| Megger marker sewage (green) 121.6 kHz | 810857 |
| Megger marker telecom (orange) 101.4 kHz | 810858 |
| Megger marker power (red/blue) 134 kHz (for Europe) | 810859 |
| Megger marker power (red) 169.8 kHz | 810860 |

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Megger[®]