

MSN-10

Audible range over 2 nautical miles

The Mediterráneo Señales Marítimas foghorn, model MSN-10 automatically provides a 360° beam of sound in the horizontal plane, it is specifically designed to be installed in places with thick fog or in off-shore platforms. Designed as an aid to navigation, it provides an audible range over 2 nautical miles.

Long-service life under the harshest marine conditions

It is manufactured with high-quality and resistant manufacturing materials to achieve a long-service life under the harshest marine conditions.

Due to his modular design, it is easy to increase or reduce the sound intensity at will.

Low consumption

Ideal for off-shore locations requiring a low consumption, such as isolated solar-powered applications.

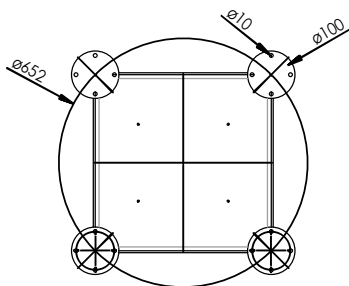
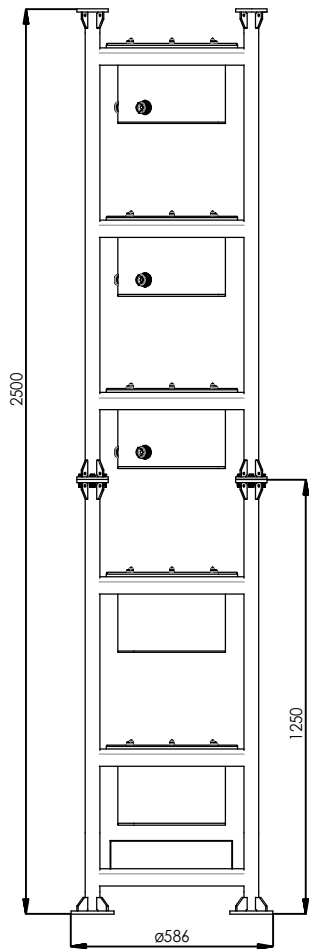
Designed according to IALA Recommendations.



FEATURES

- Audible range over 2 nautical miles.
- 360° beam of sound in the horizontal plane.
- Emission of 134 dB at 1 meter.
- Off-time current, lower than 0.03A.
- Frequency: 660,670 Hz (accuracy 0.2Hz).
- Average operation lifetime over 100,000 hours.
- IP 66 watertightness degree.
- Protection against corrosion.
- Ready to be charged by solar energy or conventional batteries.
- Configuration by levels (up to 5 units).
- Control unit based on microprocessor.
- Audible signal adjustable by user, Morse code or other programmed code by PC.
- ATEX version under request.

MSN-10



Power Supply

Voltage:	24 or 48V d.c. (12V opcional).
Operating current (24V):	Up to 7,5A.
Quiescent current:	Lower than 30 mA.

Transmission

Frequency range:	660 to 670 Hz (accuracy 0.2Hz).
Nominal range:	Over 2 nm.
Transmission codes:	63 preestablished codes.
Configuration:	By using minidips.

Materials and environment

Material:	Marine aluminium and galvanized steel.
Fixings:	Support with 4 hooks, 4 bolts each.
Weight:	165 kg.
Watertightness degree:	IP 66.
Temperature range:	From -30° to 70°C.

Levels

Levels	Acoustic accuracy level	Nominal range
1 level	127 dB at 1 m.	1.4 nm
2 levels	130 dB at 1 m.	1.7 nm
3 levels	131 dB at 1 m.	1.8 nm
4 levels	133 dB at 1 m.	1.9 nm
5 levels	134 dB at 1 m.	2.1 nm

Options

Remote monitoring and control system connection.
ATEX version.
Configurable codes by PC.
Possibility to be installed with the MVS-10 visibility sensor.
Others specifications available under request.

Optional MVS-10 visibility sensor specifications

Visibility sensor range:	From 10 m to 40 km.
Power:	From 9 to 36V d.c.
Output frequency (seconds):	From 10 to 300 (selectable).
Serial outputs:	RS-232, RS-422 and RS-485.



Specifications subject to change without previous notice.