

# MSN-10

Foghorn



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.

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.

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

Designed according to IALA Recommendations.

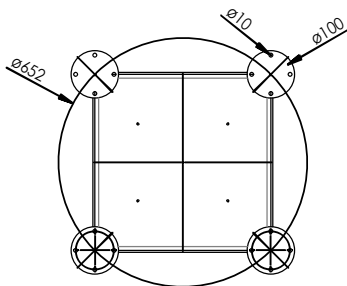
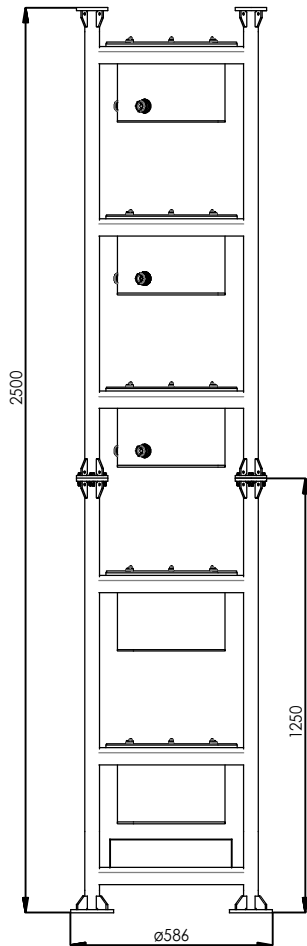
## Features:

- 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.



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Specifications subject to change without previous notice.



## Power Supply

<b>Voltage:</b>	24 or 48V d.c. (12V optional).
<b>Operating current (24V):</b>	Up to 7.5A.
<b>Quiescent current:</b>	Lower than 30 mA.

## Transmission

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

## Materials and environment

<b>Material:</b>	Marine aluminium and galvanized steel.
<b>Fixings:</b>	Support with 4 hooks, 4 bolts each.
<b>Weight:</b>	165 kg.
<b>Watertightness degree:</b>	IP 66.
<b>Temperature range:</b>	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

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



MVS-10 visibility sensor.