



AIS MAN OVERBOARD BEACON MO520

The GME MO520 is a CE-approved AIS Man Overboard Beacon.

In the event of a man overboard situation, the beacon can be activated either manually or automatically via the built-in water sensor, to transmit AIS alert messages, GPS position information, and a unique beacon ID. The beacon's high-performance GPS receiver enables the beacon to quickly and accurately obtain GPS coordinates.

The MO520 MOB beacon has been developed with state-of-the-art AIS technology to ensure years of reliable performance.

The beacon is designed to be rugged, whilst still being compact and lightweight for easy installation and carriage in a lifejacket.

Features

Integrated 72ch GPS Receiver

Automatic & Manual Activation

Compact, Lightweight Design

High Intensity LEDs

48 Hours Operating Time

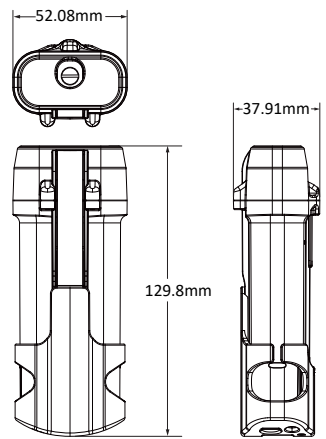
5 Year Battery Life

IP68 Ingress Protection



Specifications

| GENERAL | | |
|-----------------------|--------------------------------------|------------------|
| Applicable Standards: | IEC 60945 (2002) | EN 303098 V2.1.1 |
| | IEC 61108-1 (2003-07) | IEN 50385: 2002 |
| | EN 50383: 2010 | EN 62311: 2008 |
| | EN 62368-1: 2014 + A11: 2017 | |
| GENERAL | | |
| Activation Method | Manual or Automatic via Water Sensor | |
| LED Indication | Battery (green/red) | |
| | GPS Positioning (green/red) | |
| VHF PERFORMANCE | | |
| Frequency | AIS 1, 161.975MHz | |
| | AIS 2, 162.025 MHz | |
| Data Rate | 9,600bps | |
| Tx Power | 2W (1W EIRP) | |
| Bandwidth | 25 KHz | |
| Modulation | GMSK | |
| Range | Approximately 4nm | |
| | > 5m Above Sea Level | |
| AIS Message Type | Message 1 | |
| | (UID, GPS Position, SOG, COG | |
| | Message 14 | |
| | (MOB ACTIVE or MOB TEST) | |
| GPS RECEIVER | | |
| Receiving Channels | 72 | |
| Frequency | L1, 1575.42 MHz | |
| Tracking Sensitivity | (-)163 dBm | |
| Reacquisition | (-)159 dBm | |
| Position Update | Every Minute | |
| Position Accuracy | < 2.0 m SBAS | |
| | < 2.5 m Autonomous | |

| BATTERY | |
|---|-------------------------------------|
| Type | Primary Lithium (not rechargeable) |
| Operating Time | 36 Hours at -10°C, Typical |
| Storage (battery life) | 5 Years |
| | Replacement due after emergency use |
| ENVIRONMENTAL | |
| Operating Temperature | -20°C~55°C |
| Storage Temperature | -30°C~70°C |
| Ingress Protection | IP68 |
| Immersion depth | 50m |
| Compass Safe Distance | 0.8m |
| PHYSICAL | |
| Size | 129x52x40mm (L*W*D) |
| Weight | 160 g (main unit only) |
| Note: Specifications are subject to change without prior notice. | |
| IN THE BOX | |
| MO520 | |
| Carry Case | |
| Quick Start Guide | |
| Oral Clip | |
| Test Tab | |
| DIMENSIONS | |
|  | |



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Specifications are subject to change without notice, they are issued as a guide only and shall not form part of any contract without the express written authorisation of GME.