

Man Over Board sMRT V300-X2 PLB

The Zone 2 approved sMRT V300-X2 is a commercial-grade Maritime Safety Locator Device (MSLD) featuring AIS, VHF DSC, and the 121.5 MHz emergency frequency for improved localised alerting, tracking, and recovery. With both manual and automatic water-activated activation, on immersion for 2 seconds, it enhances the speed and efficiency of MOB recovery.



General information

With water-activation technology, audible and visual indicators, and multiple fixing options for life jacket integration, the sMRT V300-X2 significantly enhances the speed and efficiency of MOB recovery. Additionally, its increased signalling range and Class M compliance guarantee accelerated signalling and reliable tracking over extended distances. This advanced technology enhances safety and effectiveness during man overboard incidents.

VHF DSC

Nearby vessels are automatically alerted about the man-overboard situation via DSC technology.

Dual GNSS

Integrated GPS and Galileo receivers ensure rapid, global detection, enhancing accuracy in locating the individual.

121.5 MHz

Features a low power homing signal to assist marine and aviation rescue efforts.

Strobe Light

Features a high-powered strobe light for enhanced visual identification during night-time, aiding rescue efforts in low-light conditions.

Arming Door

Includes a swing door mechanism to prevent unintended arming and activations, reducing the risk of false alarms.

Dual Activation Methods

Can be activated manually or upon water immersion, ensuring functionality even if the user is incapacitated or unable to activate the device.

Test Functionality

Enables manual testing and app-based compatibility checks for power and functionality status, allowing users to verify device readiness.

AIS

The live location of the individual overboard is continuously updated and displayed through AIS technology.

Class-M Compliance

Compliant with European regulation ECC/DEC/(22)02 pertaining to MOB device usage, ensuring adherence to international standards.

Water Activation

Activates automatically when submerged in water for 2 seconds, ensuring a swift response in emergency situations.

Coloured LEDs

LEDs change colour based on the beacon's status, providing visual cues for device functionality and alerts.

Audible Alarm

Features an audible alarm to aid in location and alert users of potential false activations, enhancing user awareness.

Environmental Consideration

Packaged in 100% recyclable materials; batteries replaced only by approved service centres, promoting sustainability and responsible disposal.

Waterproof Design

Designed to withstand water exposure, ensuring durability and reliable performance in marine environments.

TECHNICAL SPECIFICATIONS

Communication method	AIS (Automatic Identification System) DSC (Digital Selective Calling)
Dimensions	Height 207 mm, incl. antenna Width 59 mm Dept 23 mm
AIS transmission	Transmit Nominal 1W EIRP
Power	
Frequency	AIS Channel 1: 161.975 AIS Channel 2: 162.025MHz VHF DSC Channel 70: 156.525 MHz
DSC Transmission	Nominal 1W EIRP
Transmit Power	
Frequency	156.525MHz
DSC messages	
Temperature range (operational)	-20°C - +55°C
Temperature range (storage)	-30°C - +70°C
Waterproof	IP68 up to 10 meter depth
Weight	190 grams
Battery lifetime	5 years (shelf life at +20°C)
Battery type	9V Lithium
Strobe light	30 candela, 170 degree dispersion, flash rate 12/minute
Approvals	European approvals: EN 303 132 & IEC 63269 US approvals: RTCM SC11901 Class M Compliant