

WHY CHOOSE A SMRT V100x?

- + Monitor your crew 24/7
- + Activates automatically on inflation/immersion in water or manually
- + Indicates GPS position in less than 45s*
- Updates GPS position via AIS every minute
- + Tracks multiple targets simultaneously
- + Individual MMSI identification

- + Designed to be integrated into a SOLAS approved sMRT PFD
- + Enables every vessel nearby to become a SAR asset
- + Works with existing VHF DSC and AIS equipment
- + 150 mile transmission range with worldwide satellite coverage*
- + Annual recertification ensures optimum performance
- + Zone 1 IECEx rated

SPECIFICATION

Standards	IEC 60079-0, IEC 60079-11. Designed to RTCM STANDARD 11901.1 and draft ETSI EN 303 098-1 Standard
Battery Type	9.0V 1500mAh Lithium Manganese Dioxide (LiMnO2)
Battery Life	Minimum of 12 hours at -10°C (14°F) and longer in warmer conditions.
Battery Shelf Life at +20°C	10 years from date printed on battery (replace after 5 years)
Operating Temperature	-20° to +55°C (-4° to +131°F) as per IEC 60945
Storage Temperature	-30° to +70°C (-22° to +158°F) as per IEC 60945
Dimensions	51mm (2in) W x 137mm (5.4in) H x 21mm (0.83in) D (26mm/1in with water sensor)
Weight	168g (5.9oz)
Durability	Tested as per IEC Standard 60945
Strobe Light	20 candela, 170 degree dispersion, flash rate once-per-sec
Environmental Resistance	IP68
Mounting Options	Designed for attachment to a SOLAS approved life jacket
MMSI	Preprogrammed (972xxyyyy); xx = manufacturer, yyyy = sequence 0000 to 9999
Compass Safe Distance	0.5m (1.5ft)
Alerting Radius	Up to 15NM surface to surface, up to 150 NM surface to air (satellite/fixed wing)*

AIS/VHF TRANSMITTER PACKAGES

Antenna type	Vertically polarized		
AIS Transmission Frequencies	AIS Channel 1: 161.975MHz; AIS Channel 2: 162.025MHz		
AIS Tx Power Output	Nominal 1W EIRP		
VHF Transmission Frequencies	VHF DSC Channel 70: 156.525 MHz; Nature of distress indication: "Man overboard"		
VHF DSC Tx Power Output	Nominal radiated power 500mW		
Signalling Type	AIS and VHF-DSC MOB standards applied as per RTCM Standard 11901.1		
GPS RECEIVER			
GPS Receiver Type	48 channel		
TTFF (Time to First Fix)	35 seconds (typical) with nominal GPS signal levels -130dBm		
Subsequent GPS fixes	Every five minutes for 30 mins; then every 10 mins until switched off or battery expires		
VHF DSC AND AIS ALERTS	5		
AIS	Immediately after activation and every minute thereafter on AIS channels 1 and 2		
Initial Closed Loop DSC Alert	After the initial AIS transmission when the device is activated		
Subsequent Closed Loop DSC Alerts	Closed loop alert for five minutes, or until DSC acknowledgement. Then open loop DSC alerts every 5 minutes for 30 mins, and every 10 mins thereafter until either DSC acknowledgement, or the battery expire		
First DSC GPS data alert sent	Usually within 30 secs after position acquired		





FOR MORE DETAILS:

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