



SMRT V100

VHF DSC & AIS PLB

The sMRT V100 works fast to save lives. As soon as your crewmember hits the water, the auto activating sMRT V100 sends an alert to every VHF DSC radio nearby. Their GPS position is updated every minute via AIS so you know exactly where they are.

SPEAK TO OUR SALES TEAM TO FIND OUT MORE.



WE TAKE THE SEARCH OUT OF SEARCH AND RESCUE

Contact Information for Inquiries: sales@fseprojects.com



Why Choose a sMRT V100?

- ✓ 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
- ✓ 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
- ✓ UP TO 150 MILE RANGE (FROM FIXED WING AIRCRAFT)*
- ✓ ANNUAL RECERTIFICATION ENSURES OPTIMUM PERFORMANCE

*ENVIRONMENTAL CONDITIONS DEPENDENT

GENERAL

STANDARDS	DESIGNED TO RTCM STANDARD 11901.1 EN 303 098 V1.2.1 & DRAFT EN 303 132
BATTERY TYPE	9.0V 1500MAH LITHIUM MANGANESE DIOXIDE (LIMNO2)
BATTERY LIFE	MINIMUM OF 12 HOURS AT -20°C.
BATTERY SHELF LIFE AT +20°C	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 W X 137MM H X 26MM D
WEIGHT	212G
DURABILITY	IEC STANDARD 60945
STROBE LIGHT	20 CANDELA, 170 DEGREE DISPERSION, FLASH RATE ONCE-PER-SEC
ENVIRONMENTAL RESISTANCE	IP67
MOUNTING OPTIONS	DESIGNED TO INTEGRATE WITH A SOLAS APPROVED LIFE JACKET
SELF ID	ITU-R M.585 COMPLIANT FACTORY PROGRAMMED FREEFORM MARITIME IDENTITY WITH 972 PREFIX
COMPASS SAFE DISTANCE	0.5M (1.5FT)
ALERTING RADIUS	UP TO 150 MILE RANGE (FROM FIXED WING AIRCRAFT)*

AIS/VHF TRANSMITTER PACKAGES

ANTENNA TYPE	VERTICALLY POLARISED
AIS TX POWER OUTPUT	NOMINAL 1W EIRP
VHF TRANSMISSION FREQUENCIES	VHF DSC CHANNEL 70: 156.525MHz AIS CHANNEL 1: 161.975MHz AIS CHANNEL 2: 162.025MHz NOMINAL RADIATED POWER 500MW AIS AND VHF-DSC
VHF DSC TX POWER OUTPUT	
SIGNALLING TYPE	
GPS RECEIVER	
GPS RECEIVER TYPE	56 CHANNEL
TTFF (TIME TO FIRST FIX)	45 SECONDS (TYPICAL) WITH NOMINAL GPS SIGNAL LEVELS -130DBM
SUBSEQUENT GPS FIXES	EVERY FIVE MINUTES FOR 30 MINS; THEN EVERY 10 MINUTES UNTIL SWITCHED OFF OR BATTERY EXPIRES
VHF DSC AND AIS ALERTS	
AIS	WITHIN 30 SECONDS OF GPS POSITION ACQUISITION
INITIAL OPEN LOOP DSC ALERT	10 SECONDS AFTER ACTIVATION
SUBSEQUENT OPEN LOOP DSC ALERTS	EVERY 5 MINUTES FOR THE FIRST 30 MINUTES, EVERY 10 MINUTES THERE AFTER UNTIL VHF-DSC ACKNOWLEDGEMENT OR THE BATTERY EXPIRES.
FIRST DSC GPS DATA ALERT SENT	IMMEDIATELY AFTER GPS POSITION ACQUIRED



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