



# SMRT AU10-X

## AIS & 121.5MHz PLB

The ATEX Zone 2 approved sMRT AU10-X automatically alerts on 121.5MHz and tracks casualties via AIS to within 10 metres, providing the best possible chance of a successful rescue.

SPEAK TO OUR SALES TEAM TO  
FIND OUT MORE ABOUT THE AU10-X.



WE TAKE THE SEARCH OUT OF SEARCH AND RESCUE

# Why Choose a sMRT AU10-X?

- ✓ ATEX ZONE 2 CERTIFIED, CONFORMS TO ATEX DIRECTIVE 2014/34/EU
- ✓ ACTIVATES AUTOMATICALLY ON IMMERSION IN WATER OR MANUALLY
- ✓ ALERTS AUTOMATICALLY VIA 121.5MHz
- ✓ INDICATES GPS POSITION IN LESS THAN 45S
- ✓ TRACKS CASUALITIES VIA AIS TO WITHIN 10 METRES
- ✓ UPDATES GPS POSITION VIA AIS EVERY MINUTE
- ✓ MULTIPLE TARGETS CAN BE TRACKED SIMULTANEOUSLY
- ✓ DESIGNED TO BE INTEGRATED WITH SOLAS APPROVED sMRT PFD
- ✓ INDIVIDUAL MMSI IDENTIFICATION
- ✓ UTILISES EXISTING SEA MARSHALL 121.5MHz RECEIVERS/SARFINDERS
- ✓ UP TO 75 MILE RANGE WITH WORLDWIDE SATELLITE COVERAGE
- ✓ BUILT IN FLASHING LIGHT ENHANCES VISUAL DETECTION
- ✓ ANNUAL RECERTIFICATION ENSURES OPTIMUM PERFORMANCE
- ✓ AVAILABLE AS PART OF A CUSTOMISED RENTAL SOLUTION



## ENVIRONMENTAL

ENVIRONMENTAL RESISTANCE	IP68
OPERATING TEMPERATURE	-20°C TO+55°C
STORAGE TEMPERATURE	-45°C TO+70°C
OPERATING HUMIDITY	TO 95% NON-CONDENSING
SHOCK	20G MIN
VIBRATION	EUROCAE ED-14F
COMPASS SAFE DISTANCE	30CM (FOR <1° DEFLECTION)
FLAMMABILITY RATING	ED 14F 26.3.3 CATEGORY C:
BATTERY	6V LI-MNO2
BUOYANCY	BUOYANT (INDEX=9%)
TRANSPORTATION	AIR CARGO UN 3091- NOT HAZARDOUS

## PHYSICAL

DIMENSIONS (CASE)	80MM X 95MM X 35MM
WEIGHT	250G

## STANDARDS APPLIED

EMC	EN 301 489-22 V1.3.1, EN 301 489-1 V1.8.1
ELECTRICAL SAFETY	EN 60950-1:2006
MARINE	IEC 60945:2002
RADIO (121.5MHz)	EN 302 961
RADIO (AIS)	EN 303 098, RTCM 11901.1:2012

## ELECTRICAL

AIR BAND FREQUENCIES	121.500MHz, 121.650MHz
DISTRESS MODULATION	AM COMPLIANT TO ITU-R M.690-2 (2012)
AIR BAND POWER	100MW ERP
MARINE-BAND FREQUENCIES	161.975, 162.025 MHz (AIS1, AIS2)
SIGNALLING TYPE	COMPLIANT TO ITU-R M.1371-5
MARINE-BAND POWER	1W EIRP NOMINAL
VHF ANTENNA	CENTRE-FED DIPOLE, COMPRISING COAXIAL CABLE AND 1/8 COIL WHIP
GPS ANTENNA	CIRCULAR-POLARISED WIDE-ANGLE BULBS

## OPERATIONAL

OPERATING TIME	>12 HOURS CONTINUOUS
STANDBY BATTERY LIFE	>3 YEARS
PERMANENTLY ARMED	12 HOURS OPERATION IF ARMED FOR 12 MONTHS
GPS POSITION UPDATE	MINIMUM OF 6 PER MINUTE
GPS TIME TO FIRST LOCK	TYPICALLY <1 MINUTE UNDER NORMAL OPERATING CONDITIONS
ALERT INDICATION	AUDIBLE AND VISIBLE
ACTIVATION	MANUAL PLUS AUTOMATIC WATER ACTIVATION
SELF ID	ITU-R M.585 COMPLIANT FACTORY PROGRAMMED FREEFORM MARITIME IDENTITY WITH 972 PREFIX

## ATEX

ATEX CLASSIFICATION	EX IC T4 GC
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