SMRT AU10

AIS & 121.5MHz PLB

The sMRT AU10 is a dual operating AIS Personal Locator Beacon alerting on the 121.5MHz international Search and Rescue (SAR) frequency, while simultaneously transmitting GPS coordinates on AIS.

Automatic activation will alert you of every MOB incident within 2 – 5 seconds. With GPS position updated every minute via AIS, your and every nearby vessel becomes an instant SAR asset able to track multiple casualties up to 75 miles away.

MRT

Why Choose a sMRT AU10?

✓ ACTIVATES AUTOMATICALLY ON IMMERSION IN WATER

✓ ALERTS AUTOMATICALLY VIA 121.5MHz

✓ INDICATES GPS POSITION IN LESS THAN 45S

✓ TRACKS CASUALITES 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

✓ AVAILABLE IN A FLIGHT APPROVED HELICOPTER TRANSFER (HT) MODEL

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° DEFLFLECTION)
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