

YOUR CREW, YOUR PASSENGERS, **PROTECTED.**



FSE SAFE PTE LTD

SMRT AU10-HT AIS & 121.5MHz

The sMRT AU10-HT works fast to save lives

The flight approved sMRT AU10-HT automatically alerts on 121.5MHz within 2-5 seconds and will track casualties to within 10 metres.

With GPS position updated every minute via AIS, every nearby vessel becomes an instant SAR asset.



We take the **SEARCH** out of search and rescue

WHY CHOOSE A sMRT AU10-HT?

- Activates automatically on immersion in water or manually
- Alerts via 121.5MHz
- Indicates GPS position in less than 45s
- 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
- Flight approved
- Up to 75 mile range
- Built in flashing light enhances visual detection
- Utilises existing Sea Marshall 121.5MHz receivers/SARfinders
- Annual recertification ensures optimum performance
- ATEX Zone 2 approved - adding a further safety measure for passengers transferring to offshore oil and gas platforms
- Fully compatible with the Survitec MK50 and Halo lifejackets.



SPECIFICATION

ENVIRONMENTAL

Environmental resistance	IP68
Operating temp	-20°C to +55°C
Storage temp	-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)	80 x 95 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)
Signaling 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 bulb

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

Manufacturer and distributor of global leading Man Overboard Solutions from



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