

ARE YOU PREPARED FOR THE WORST?



FSE SAFE PTE LTD

SMRT WIND

275N SOLAS PFD with
integrated 121.5MHz & AIS PLB

Why choose the sMRT WIND?

Our life jacket and PLB solution is easy to use, auto activates and monitors the safety of your crew 24/7. The SOLAS approved life jacket inflates and activates the sMRT AU10 as it hits the water. Integrated at manufacturer level, the sMRT AU10 sends a distress alert and position via 121.5MHz and AIS in accordance with new safety standards. So, if the worst does happen, you have the best possible chance of survival.

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



WHY CHOOSE sMRT WIND?

- + SOLAS 275N approved Life Jacket
- + Integrated with the sMRT AU10 121.5Mhz and AIS PLB
- + Annual recertification of integrated solution saves time and money on servicing
- + Individual MMSI identification
- + Updates GPS position via AIS every minute
- + Activates automatically on immersion in water or manually
- + Track multiple casualties simultaneously
- + Enables every nearby vessel to become a SAR asset

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
Antenna Visible Length	Approx 535mm

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 300 152-2 V1.1.1, EN 302 961-2 V1.2.2
Radio (AIS)	ETS 303 098-1 V0.0.4, 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	AIS-MOB standards applied ETSI 303 098-1, RTCM STANDARD 11901.1
Marine-band power	1W EIRP nominal
VHF antenna	Centre-fed dipole, comprising coaxial cable and 1/8 coil whip
GPS antenna	Circular-polarized wide-angle bulb

OPERATIONAL

Operating time	>12 hours continuous*
Standby battery life	>3 years
Permanently armed/ready	1 year with >6 hours continuous operation remaining
GPS position update	Every minute
GPS time to first lock	Typically <1 minute under normal operating conditions
Alert indication	Audible and visible SOS signaling
Activation	Slide switch plus water sensor
MMSI	Permanent factory programmed (972 prefix)

Manufactured to the highest quality and approved to the latest SOLAS 2010 standards, the sMRT 275N PFD is designed for constant wear with a single front closure buckle and side adjustment. The yoke style allows for a low profile fit the PVC re-inforced cover ensures the PFD is low maintenance.

Manufacturing process	ISO 9001:2000
Lifejacket	2010 SOLAS plus ISO 12402



FOR MORE DETAILS:
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 worldwide

