

# **SMRT** SAR *FINDER*

Constantly monitoring the 121.5MHz distress frequency, the sMRT SARfinder instantly alerts you in the event of a Man Overboard incident when it detects an activated 121.5MHz unit. With an audible and direction-bearing compass display, it allows you to locate and recover the casualty quickly and efficiently.



### **Audible Alarm**

An alarm sounds from the unit as soon as it detects a man overboard incident.



### **Direction Finder**

A direction-bearing compass is displayed to help you locate the MOB.



### **121.5 MHz**

The SARfinder listens for an activated 121.5 MHz unit and alerts when detected.



### **Touchscreen Display**

The digital touchscreen display allows users to easily interact with the unit.

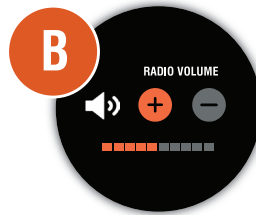


## PRODUCT FEATURES



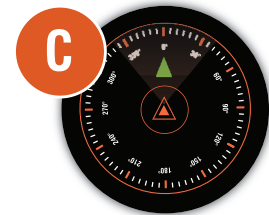
### STANDBY MODE

The standby mode is the default screen when not in active use



### VOLUME

You can manually adjust the radio and alert volume to suit your preference



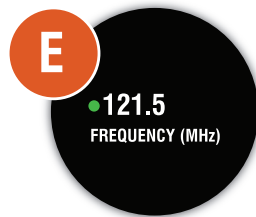
### DIRECTION FINDER

The direction finder features a compass to help you locate the man overboard



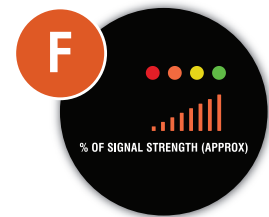
### TOUCHSCREEN DISPLAY

The digital touchscreen display allows users to easily interact with the unit



### FREQUENCY

The frequency is displayed here and can be switched by returning to standby mode



### SIGNAL STRENGTH

The signal strength bar demonstrates the distance between you and the MOB

## PRODUCT OVERVIEW

The sMRT SARfinder continuously monitors the 121.5 MHz distress frequency, promptly sounding a loud audible alarm upon detecting a Man Overboard (MOB) incident. Equipped with a user-friendly digital touchscreen display, it ensures easy interaction. The integrated direction-bearing compass display tracks the MOB's location, allowing you to guide your

vessel swiftly and accurately toward them for efficient casualty recovery. With dedicated 121.5 MHz detection, this device provides a timely response to the activation of a 121.5 MHz unit, making it an essential tool for improving the reliability of localised man overboard alerting, locating and recovery.

## CONTROL BOX

CONTROL BOX DIMENSIONS	165 x 95 x 65mm – Aluminium Box (excluding antenna & connectors)
CONTROL BOX WEIGHT	1000gms
MOUNTING OPTIONS SURFACE	5 years
OPERATING TEMPERATURE	210mm x 146mm (Opt 1) Bracket 260mm (Opt 2) weight 1000gms
BEARING DETECTION METHOD	Triangular phase delta
BEARING RESOLUTION ACCURACY	+15° @ 10 dBuv/m maximum

## ANTENNA

ANTENNA BASE DIMENSIONS	550mm (H) x 350mm (W) – PVC Plastic
ANTENNA BASE WEIGHT	950gms
ANTENNA POLE MOUNTING BKT	50mm Internal Dial
ANTENNA GAIN	1.4 dBi nominal
ANTENNA TRIPLE COAX CABLE	Impedance: 75 Ω Capacitance 60pF / m Attenuation / 10m: 0.28 dB @ 1.5 MHz, 2 dB @ 100 MHz, 4.7 dB @ 500 MHz Attenuation / 100 m: 20 dB @ 100 MHz Diameter: 7.2 mm Operating temperature: -20°C + 70°C Coaxial Type : Triple RG179B/U

## GENERAL

TEMPERATURE RANGE	-20°C + 55°C (Operational)
BANDWIDTH	25 KHz
MODULATION	AM
PORTS	DC12V Power Cable (1m) Antenna Cable (20m)
WATERPROOFING	IPX67
SENSITIVITY	3 dBuV/m (threshold of target bearing resolution)
FREQUENCIES	121.5 MHz, 121.65 MHz (Test 1), 121.775 (Test 2) (1m) Antenna Cable (20m)
CRITERIA OF EIT/PLB RECOGNITION	Audible AM down-swept tone (compliant to ITU-R M.690-2)
AUDIO OUTPUT	max. 8Vss (speaker > 8 Ohm)
RELAY CONTACT	Floating, carrying capacity max. 0.5 A/10W
CURRENT CONSUMPTION	Standby = 300mA Tracking = 850mA Alarming = 1300mA If alarm + ext. speaker (8 Ohm) = 400mA
OPERATING VOLTAGE	12V DC (with transient compliance to ISO 7637-2)
DISPLAY	7" TFT LCD display

## APPROVALS

STANDARDS TESTED TO	ETSI EN 301 489-1 V1.5.1 (2004-11) ETSI EN 301 489-22 V1.3.1 (2003-11)
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