

WHAT IS A SART?

A SART is a 'search and rescue locating device' designed to assist in survivor craft location during rescue operations at sea.

Our SARTs are fully certified to IMO SOLAS (commercial vessel) standards, but are also ideal for leisure yachts and recreational boaters.

The SART should be stowed on board in a location where it can be quickly carried off into a survival craft. Alternatively, it can be stored in the life-raft itself. Once activated, the SART may be suspended inside the survival craft or mounted in an elevated position using the integrated extending pole.



RESCUER 2 SART

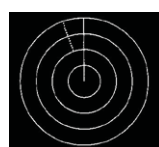
The Rescuer 2 SART is a 9GHz X-band GMDSS Radar transponder. It is highly reliable, compact and easy to use, even with gloved or wet hands. It is ideally suited for packing in life-rafts or as a carry-off device.

Once activated, when a radar signal is received from a ship or aircraft, the Rescuer 2 automatically sends a response signal, which clearly identifies the survival craft on the screen of any radar within range by means of a stream of 12 in-line dots. When in use the Rescuer 2 will remain in standby mode for over 96 hours and will automatically start sending a response signal to any radar transmission being received.

The Rescuer 2 SART has been designed for assisting air/sea ship or survival craft rescue operations and can withstand the toughest marine environments in accordance with IMO SOLAS regulations.

Key Features:

- For yacht or survival craft
- Buoyant and waterproof to 10m
- Compact and lightweight
- Replaceable 5 year battery life
- Audio/visual indication of operation
- Built-in test facility
- Integral lanyard
- Mounting options – internal/external



Radar view
SART at
6 miles



Radar
view
SART
at 2 miles



Radar view
SART
very close



SAFELINK R10

Environmental

Exterior finish	Hi impact ABS/PC Yellow
Sealing depth	Immersion to 5m (16.4ft)
Operating temperature	-20°C to +55°C (-4°F to +131°F)
Storage temperature	-30°C to +70°C (-22°F to +158°F)

Battery

Type	6V Lithium Metal
Replacement	By service centre
Use	Logged by microcontroller

Operation

Activation	Manual two stage
Self test (short)	Battery use indication
GPS Self test (long)	MOB TEST transmission with GPS position

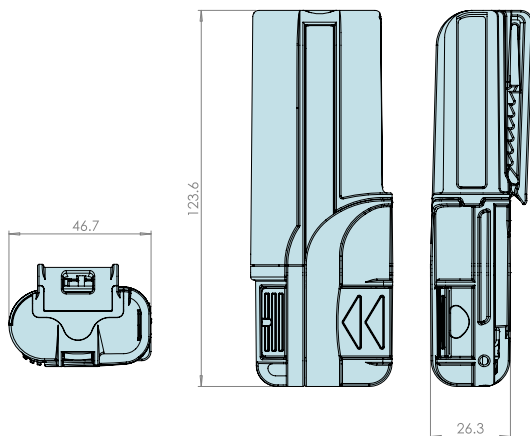
Electrical

<i>AIS Transmitter</i>	
Frequency	AIS channel 1- 161.975 MHz, AIS channel 2 - 162.025 MHz
Power	2W nominal
Transmit antenna	Sprung whip
AIS messages transmitted	Message 1 (ID, GPS position, SOG, COG, UTC) Message 14 (MOB ACTIVE or TEST) Factory programmed

TX ID number	
GPS receiver	
GPS type	50 channel
Antenna type	Ceramic patch
GPS position update	Every minute

Physical

Size (D x W x L)	27 x 47 x 124mm (1.1" x 1.6" x 4.7")
Weight	120g (4.23 oz)
Battery replacement interval	7 years



RESCUER 2 SART

Beacon Specification

Receiver Response:	9.2–9.5 GHz, sensitivity better than -50 dBm
Transmitter Response:	12 forward and return sweeps through the range 9.2–9.5 GHz. Nominal sweep times 7.5 _s forward and 0.4 _s return
Radiated Power (ERP):	Not less than 400 mW (+26 dBm)
Duration of Operation:	96 hours in standby condition followed by a minimum 8 hours of transmission while being continually interrogated with a pulse repetition frequency of 1 kHz

Environment

Temperature Range:	-20°C to +55°C operational -30°C to +65°C storage
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Physical

Effective Antenna Height:	1 metre or greater
Weight:	360g (without mast or bracket) 510g (with mast) 530g (with mast & bracket)
Dimensions:	264mm long x 90mm diameter
Battery:	Lithium metal
Battery replacement interval:	5 years

