

## SAFELINK AIS SART

### **Beacon Specification**

Standards applied

AIS SART IEC 61097 -14, IEC 60945

Radio ITU – R M.1371

GNSS / GPS IEC 61108-1

IMO MSC.246(83)

Type IMO AIS SART Non float free

Operation Manual activation switch protected by anti tamper cover. Self-test Checks transmitter, battery, GPS and indicators.

### **AIS Transmitter**

Operating frequency AIS1, 161.975 MHz AIS2, 162.025 MHz

Power output 1 W EIR

AIS message type 1, 14

Modulation GMSK

Antenna Integrated vertical element

### **Battery**

Type Lithium metal

Operating life 96 hours minimum

Storage 6 years

Service Replaceable

**GNSS** GPS 20 channel

### **Environment**

Operating temperature -20 °C to +55 °C

Storage temperature -30 °C to +70 °C

Waterproof Immersion up to 10m

Buoyancy Buoyant / float

Exterior Finish Highly visible orange

Compass safe distance 0.2m

**Physical**

Weight (main unit ) 160 grams

Weight (including pole) 450 grams

Length (including pole extended) 155 cm

Lanyard 10m, 50Kg breaking strain

**Mounting**

Stowage case (packed) 940g, H390 x D80 x W150mm

Bulkhead bracket 230g

U.S. Customers please note: This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

## **AIS SART**

Automatic Identification System Search And Rescue Transmitter.

## **Automatic Activation**

An EPIRB that is activated when it comes in contact with water.

## **Automatic Deployment**

An EPIRB that is automatically released from its housing when the integral HRU is submerged.

## **Category 1 EPIRB**

An EPIRB that is automatically deployed and activated when in contact with water. The EPIRB may also be manually deployed and activated.

## **Category 2 EPIRB**

A manually deployed EPIRB. Once removed from its bracket this EPIRB will be automatically activated when in contact with water or can be manually activated.

## **Class 1 EPIRB or PLB**

Rated to operate down to -40 degrees Celsius.

## **Class 2 EPIRB or PLB**

Rated to operate down to -20 degrees Celsius.

## **COSPAS-SARSAT**

International satellite system for search and rescue. A joint operation between France, Canada, Russia and the USA who monitor the 406 MHz satellite system.

## **EPIRB**

Emergency Position Indicating Radio Beacon.

## **FCC**

Federal Communications Commission (USA).

## **GEOSAR**

Geostationary Search And Rescue system. Part of the COSPAS-SARSAT satellite system.

## **GMDSS**

Global Maritime Distress and Safety System.

**HRU**

Hydrostatic Release Unit. A release mechanism activated by water pressure.

**IMO**

International Maritime Organisation.

**LEOSAR**

Low-altitude Earth Orbiting Search And Rescue system.

**LUT**

Local User Terminal. A ground receiving station that picks up the initial EPIRB signal and relays it to the Mission Control Centre. The LUT also calculates the position the signal was transmitted from.

**Manual Activation**

An EPIRB that is activated by the user.

**Manual Deployment**

An EPIRB that is released from its bracket by hand. McMurdo EPIRBs are available with either a manual "Carrysafe" bracket or an Auto Housing.

**MCA**

Maritime and Coastguard Agency (UK).

**MCC**

Mission Control Centre. The MCC manages satellite information from the LUT and sends an alert to the Rescue Coordination Centre for the region.

**MED**

Marine Equipment Directive. European certification for equipment that meets the standards required by the IMO and SOLAS.

**MOB**

Man Overboard.

**NOAA**

National Oceanic and Atmospheric Administration (USA).

**PLB**

Personal Locator Beacon.

**RDF**

Radio Direction Finder.

**RNLI**

Royal National Lifeboat Institute.

**SAR**

Search And Rescue.

**SART**

Search And Rescue Transponder.

**SOLAS**

Safety Of Life At Sea. Minimum standards of safety set out by the International Maritime Organisation.

**S-VDR**

Simplified Voyage Data Recorder.

**UIN**

Unique Identifier Number programmed into an EPIRB or PLB.

**USCG**

United States Coast Guard.

**Wheelmark**

Awarded to products that conform to International Maritime Organisation (IMO) type approval.