The SmartFind S5A AIS SART is a manual deployment survival craft AIS Search and Rescue Transmitter (AIS SART), intended for use on life rafts or survival craft. It meets IMO SOLAS requirements and is a replacement for legacy radar SARTs.
SmartFind S5A AIS SART

Compact and easy to both operate and deploy, the SmartFind S5A AIS SART is a transponder packed inside a quick release carry off bag, that allows a survival crafts location to be identified by rescue authorities and nearby AIS equipped vessels.

The SmartFind S5A transmits survivor information, including structured alert messages, GPS position information and serialised identity number. Once activated the SmartFind S5A AIS SART transmits continually for a minimum of 96 hours and inbuilt high precision GNSS receiver provides accurate position information to assist in the detection of the survival crafts’ location.

Whether wall mounted in the ships bridge or packed inside a survival craft, the highly visible and buoyant carry case affords maximum protection.

Technical Specifications

Beacon Specification Standards applied

**APPLICABLE STANDARDS**

- IEC 61097-14 Ed.1 (2010)
- IMO Resolution A.694 (17)
- IMO Resolution MSC.246 (83)
- IMO Res. MSC.302 (87)*

* This covers Bridge Alert Management and it is not applicable for AIS

**VHF TRANSMITTER**

- Operating Frequency: AIS 1, 161.975MHz
- AIS 2, 162.025MHz
- Data Rate: 9,600bps
- Bandwidth: 25 KHz
- Power Output: 1W EIRP
- AIS Message Type: Message 1, Message 14
- Modulation: GMSK
- Antenna: Integrated by PCB

**GNSS RECEIVER**

- Receiving Channels: 48 channels
- Acquisition Sensitivity: (-1)159 dBm
- Tracking Sensitivity: (+1)159 dBm
- Position Accuracy: < 2.5 m Autonomous & SBAS

**BATTERY**

- Type: Primary Lithium (not rechargeable)
- Operating Life: 96 hours minimum
- Storage: 6 years
- Service: Replaceable

**CARRY & MOUNTING**

- Carry Bag: Stowage / carry bag
- Wall Mount: Pole

**ENVIRONMENT**

- Operating temperature: -20°C to +55°C
- Storage temperature: -30°C to +70°C
- Waterproof: Immersion to 10m Floats
- Buoyancy: Highly visible Yellow
- Exterior Finish: Standard Magnetic — 0.60m
- Compass safe distance: Steering Magnetic — 0.40m

**PHYSICAL**

- Max Diameter: 70 mm
- Length (Main Body): 300 mm
- Length (Pole): 1050mm (Extended)
- Weight (Main Body): 283g (Battery included)
- Weight (Pole): 300g
- Total Weight (Storage Package): 1.08kg

- Internationally approved
- Ship or Survival craft options
- Waterproof to 10m
- Buoyant/floats
- Rugged, compact and lightweight
- Minimum 96 hour operational battery life
- 6 year battery life
- Visual indication of operation
- Built-in test facility
- Mounting options — Internal/External
- Transmits GPS coordinates
- Interoperability with AIS Users
- Telescopic Mounting Pole included
- Comes with protective carry off bag

McM 08.18 Iss1