

## Mackay Marine

### McMURDO – S4 SART/ S5A AIS SART/E8 EPIRB/G8 GPIRB/ G8 w/AIS

#### S4 Rescue Radar SART



The S4 Rescue Radar SART is a 9GHz X-band Search and Rescue Locating Device which offers proven reliability. Extremely simple to use, the S4 Rescue can be operated even with gloved or wet hands. Its compact design makes it suitable for packing in liferafts or as a carry off device.

- Ship or survival craft options
- Waterproof to 10m
- Buoyant
- Compact and lightweight
- Replaceable, 5 year battery pack
- Audio/visual indication of operation
- Built-in test facility
- Integral lanyard
- Mounting options - internal/external

#### 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 craft's 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 craft's location.

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

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.

- 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

#### E8 EPIRB / G8 GPIRB / G8 GPIRB w/AIS

The McMurdo E8 / G8 EPIRB is MEOSAR Compatible® for enhanced detection and location performance. The G8 range includes an industry first, a four-frequency EPIRB, combining the global alerting of 406 MHz with the localized locating and tracking power of AIS.

The G8 AIS is the first EPIRB to have standard 406MHz, 121MHz & GPS capabilities AND include AIS for localized rescue. This combination is a result of new technology but also new attitudes to AIS as a search and rescue tool, plus the realization that accelerated alert detection and location accuracy will save even more lives. This technology partnership will also help reduce demands on the Search & Rescue authorities as it should help vessel owners detect and resolve accidental activation through visibility of AIS signals.

#### Key Features

- Faster alert detection on the 406 MHz frequency through our MEOSAR compatibility
- The world's first QUADROTECH® EPIRB, with four search and rescue frequencies, the SmartFind G8 AIS supports the Alert, Locate, Tracking and Recovery elements of search and rescue
- Greater location accuracy by receiving GNSS coordinates from a wider range of satellite constellations
- World's first convergence of 406 and AIS, combining the global alerting of 406 MHz with the localized locating and tracking power of AIS
- The only EPIRB manufacturer that also builds and supports the Cospas-Sarsat ecosystems infrastructure, making the benefits of MEOSAR a reality

#### SmartFind G8 EPIRB Range Features Comparison

Feature	Description	SmartFind E8	SmartFind G8	SmartFind G8/AIS
Optimised for MEOSAR	Enhanced detection capability for accelerated rescue	•	•	•
VHF homer	121.5MHz swept tone	•	•	•
406 frequency	International rescue frequency	•	•	•
GNSS receiver	72 channels multi-constellation (see Note 3)		•	•
AIS capability	AIS for localized rescue			•
SmartTransfer	Manual bracket allowing transport without activating water switch	•	•	•
Auto-housing option	Automatic deployment when submerged 1 - 4m	•	•	•
Activation method	Manual or water activation	•	•	•
SmartCarry	Concealed hands-free easy carry strap		•	•
SmartBase	Impact protection	•	•	•
SmartLight	3 lights, 360 degree coverage	•	•	•
SmartSwitch	Reusable ON power button cover, to prevent accidental activation	•	•	•
Battery storage life	10 years (Lithium Iron Disulphide) (see Note 4)	•	•	•
SmartChange	Easy service battery	•	•	•
Global service network	200+ service centres across 80+ countries	•	•	•
Multiple self tests	120 short tests for system check and 20 Long tests which include testing of the GNSS receivers (see Note 1)	•	•	•
Warranty	1 + 4 years with 1 year extension on safety check (see Note 2)	•	•	•
Part of McMurdo Ecosystem	Developed with McMurdo's unique understanding of the technical requirements to fully utilise the Cospas-Sarsat infrastructure	•	•	•

Note 1 Recommendation - 1 test a month over a period of 10 years. Long tests twice a year over a 10 year period. Long tests to be conducted in full view of sky. Obstacles will increase time taken for GPS lock, reducing the battery life. Long Tests can also only be performed if GNSS receiver workability seems suspect.

Note 2 Warranty is 1 year from date of purchase, an additional 4 years upon registration with McMurdo group. On 5 year health check, an additional year will be put in place.

Note 3 GPS and GLONASS has been approved. Galileo will be in place once active in early 2017.

Note 4 As a responsible manufacturer, McMurdo recommends a 5 year health check. Shore-based maintenance mandated vessels, battery health check or replacements should be carried out in accordance with flag Administration requirements and not exceeding 5 years.