



SmartFind S10 AIS MOB Device

The SmartFind S10 AIS MOB Device is an innovative manually activated personal safety device which incorporates both AIS (Automatic Identification System) and GPS technology. It is designed to aid the speedy recovery of personnel/crew members who find themselves in difficulty at sea.



SmartFind S10

The SmartFind S10 is waterproof, buoyant and compact, intended for carriage by divers, crew and anyone who works on or carries out activities on the water.

The SmartFind S10 transmits target survivor information, including structured alert messages, GPS position information and a serialised identity number. An inbuilt high precision GPS receiver provides accurate position information which is frequently updated to assist in quick recovery of persons in difficulty.



S10 AIS MOB Device target information can be viewed using standard ships AIS equipment such as Class A and Class B transponders and a wide selection of receive only AIS units. AIS equipped vessels and land based VTS stations within the local vicinity will also have visibility of the AIS MOB devices signal.

Whether displayed on the AIS itself or on a companion plotter or ECDIS screen, the unique alert message will clearly indicate the SmartFind S10's exact location, distance and bearing.

SmartFind S10 is buoyant, waterproof to 60 meters, will transmit continuously for a minimum of 24 hours and has a 5 year battery storage life. It also features a flashing indicator light, giving a localised visual fix and assisting in attracting attention after nightfall.

Manually activated personal safety device to aid recovery of persons in difficulty.

- Transmits GPS target tracking information over AIS
- TX ID and position report transmitted every minute
- Small and light for unobtrusive carriage
- Waterproof, buoyant and fully submersible to 60 meters
- Flashing LED light
- Minimum 24 hour continuous operation
- 5 year battery storage life
- Comes with protective carry off bag



Can be used in conjunction with the McMurdo SmartFind M5 AIS Class A**

**and any AIS SART Alarm

How SmartFind S10 AIS MOB Devices works

- SmartFind S10 AIS MOB device is activated to attract attention.
- Alert is transmitted to all AIS enabled equipment within a 4 mile Radius (typical).
- AIS equipment* displays the alert icon (as displayed).
- Precise target survivor information including GPS position becomes viewable when the chart plotter/ECDIS** cursor is positioned over the alert icon.
- This information provides exact location, distance and bearing to person(s) in need of assistance.

Not all small-craft chart plotters with AIS show the correct SART icon ⊗ as recommended by the IMO. At the very least, they will show the same icon as used for other craft – normally an arrow.

In addition, user settings generally allow you to configure the display to show the TX ID number, which in the S10 always begins with 972. This way you can differentiate the S10 from other vessels.



*Image shown is Euronav Software

If in doubt, check with your plotter manufacturer how they display SARTs on screen.

All new ECDIS plotters (on ships over 300 tonnes) should display the SART icon ⊗ correctly.

**For use with AIS enabled chart plotters, contact your chart plotter manufacturer for further info.

Simple to activate

SmartFind S10 AIS MOB device is simple to operate, even in a gloved hand. When the person in trouble has been successfully retrieved from the water, the beacon can be switched off. A built in test facility indicates whether or not battery replacement is advised.



SmartFind S10 AIS MOB Device Specifications

STANDARDS APPLIED	IEC 61097-14, 60945 (ENVIRONMENTAL / EMC), 61108 PARTS 1, ITU-R M.1371
ENVIRONMENTAL	Buoyant
Exterior finish	Hi impact ABS/PC Translucent opal
Sealing depth	Immersion to 60m (196 ft)
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)	TEST transmission with GPS position
TRANSPORTATION	
Air cargo	IATA UN 3091, not restricted
ELECTRICAL	
AIS Transmitter	AIS channel 1- 161.975 MHz, AIS channel 2 - 162.025 MHz 2W nominal
Frequency	
Power	Integrated PCB
Transmit antenna	Message 1 (TX ID, GPS position, SOG, COG, UTC); Message 14 (MOBACTIVE or MOB TEST)
AIS messages transmitted	Factory programmed
TX ID number	
GPS receiver	
GPS type	50 channel
Antenna type	Ceramic patch
GPS position update	Every minute
PHYSICAL	
Length	199mm (7.8")
Diameter at widest point	51mm (2.0")
Weight	186g (6.5oz)
Deployment	
Hands free	Belt or arm pouch with head band strap included
Hand held Security	Wrist lanyard included lanyard fixing point
FUNCTIONAL	
First transmission	After 18 seconds (no GPS)
Range	4 nautical miles (typical)
Secondary location device	Flashing white LED and status indicator
PART NUMBER	
SmartFind S10 AIS MOB device retail pack	98-051-001A

