

IMO-SOLAS CERTIFIED

## SART100 | Search & Rescue



### DESCRIPTION

The SART100 is a IMO-SOLAS certified AIS search and rescue transponder. Engineered for complete reliability, SART100 can be stored for years and when needed instantly activated to transmit an emergency transmission, which all AIS equipped vessels and aircraft will receive and pin-point your exact location.

SART100 is ruggedized and supplied with its own grab bag and quick release vessel bracket.

### FEATURES

- | IMO SOLAS certified and approved AIS SART
- | 5 years minimum maintenance free continuous standby
- | Easy to use in an emergency
- | Ruggedized, weather and waterproof to IPx6 and IPx8
- | Complete kit, inclusive of quick release mounting bracket and grab bag



TRANSMIT



WATERPROOF



BATTERY



GPS

## PHYSICAL & ENVIRONMENTAL SPECIFICATION

Size (H x W)	68 x 384mm
Weight	360g
Operating temperature	-25°C to +55°C
Storage temperature	-25°C to +70°C
Ingress protection	IPx6 and IPx8

## ELECTRICAL SPECIFICATION

Battery capacity	3000mAh
Battery type	6V Lithium primary cell
Battery life (default operating conditions)	96 hours

## STANDARDS COMPLIANCE

AIS standards	IEC 61097-14
Product safety standards	EN60950-1 2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013
Environmental standards	IEC 60945 Ed. 4
GNSS performance standards	IEC 61108-1 Ed 2.0

## GNSS

Systems supported	GPS
Channels	48
Internal/external antenna	Internal only
Time to first fix from cold start	35s

## VHF TRANSCEIVER

VDL access scheme	Modified SOTDMA
Operating frequency	161.975MHz and 162.025MHz
Channel bandwidth	25kHz
Receivers/transmitters	1 x transmitter
AIS transmitter power	1W (30dBm radiated)

## USER INTERFACE

Buttons	Activation and test
Indicators	Status indicator

## IN THE BOX

1 x AIS SART
1 x Lanyard
1 x Telescopic mounting pole
1 x Mounting bracket and fixings
1 x Kit bag

## WARRANTY

With em-trak you can buy with confidence. If you are unhappy with your new product for any reason, within two days of receipt and subject to the product and packaging being complete and undamaged, you may return it to us for a full refund. We are sorry, but we cannot accept the return of any product if you have not advised us in writing within 48 hours of receiving your em-trak product, or if it has been used and or damaged or if any of the package is incomplete. All em-trak products benefit from our three year global warranty. In the unlikely event of a problem, please contact our Customer Support department (24/7) at support@em-trak.com and one of our experts will work with you to resolve your issue or arrange the repair or replacement of your em-trak product. The warranty is invalidated if the product has been incorrectly used, damaged or tampered.

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INSTALLATION GUIDE

