



Danmark

## Marine Equipment Directive EC Type Examination Module B Certificate

This is to certify that TÜV SÜD DANMARK ApS did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Marine Equipment Directive (2014/90/EU) requirements, under the following Implementing Regulation for the listed types of equipment

<b>Implementing Regulation</b>	<b>(EU)2022/1157</b>
<b>Certificate Holder and Manufacturer</b>	<b>em-trak Marine Electronics Ltd. Wireless House, First Avenue Westfield Industrial Estate Midsomer Norton Bath, BA3 4BS United Kingdom</b>
<b>EC Representative</b>	<b>SRT Marine Systems SNCF Station 14 rue de Dunkerque 75010 Paris France</b>
<b>Product(s)</b>	<b>SART 100 (409-0018)</b>
<b>Product Sector</b>	<b>Navigation Equipment</b>
<b>Product Type</b>	<b>MED/4.55 Search and rescue locating devices (SRLD): AIS SART equipment</b>

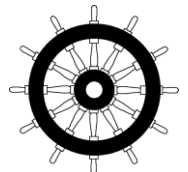
and on the basis of the Technical Data and information detailed in the Annex to this certificate.

Valid from: 24 April 2023

(Signature)

Expiry Date: 23 April 2028

This certificate has been issued in accordance with the TÜV SÜD Testing and Certification Regulations and constitutes page 1 of the combined Certificate and Annex.  
The Conditions for the validity of this certificate are listed in the Annex.  
For further details, related to this certification please contact [BABT@tuvsud.com](mailto:BABT@tuvsud.com)

**2443**

Issued by TÜV SÜD DANMARK ApS under document number: DK-MED000038 Issue 04

Page 1 of 3

TÜV SÜD DANMARK ApS • Strandvejen 125 • 2900 Hellerup • Denmark



Danmark

# Annex to Marine Equipment Directive Module B Type Examination Certificate

## 1 Equipment Description

AIS SART equipment

### 1.1 Models

Model	Description
409-0018	em-trak SART 100 <sup>Note 1</sup>

## 2 Assessed Requirements

### 2.1 Implementing Regulation (EU)2022/1157

### 2.2 Compliance Requirements for MED/4.55

IMO Resolutions	International Testing Standards	
IMO Res. A.694(17) IMO Res. MSC.246(83) ITU-R M.1371-5 (2014)	IEC 60945 (2002) incl. IEC 60945 Corr.1 (2008)	Maritime navigation and radiocommunication equipment and systems – General requirements
	IEC 61097-14 (2010)	Global maritime distress and safety system (GMDSS) – Part 14: AIS search and rescue transmitter (AIS-SART)

## 3 Technical Documentation

### 3.1 Declaration of Conformity

MED Declaration of Conformity – em-trak SART 100 - Unsigned	Dated	2023-04-11
---	-------	------------

### 3.2 User Guide

Mercury Manual v2	Modified	2012-11-05
201-0369 SART100 manual cover v3	Modified	2016-05-20

### 3.3 Test Reports

#### 3.3.1 IEC 60945 (2002) incl. IEC 60945 Corr.1 (2008)

75917539 Report 06 Issue 1	Dated	2012-09-11
75917539 Report 07 Issue 1	Dated	2012-10-17
75917539 Report 09 Issue 2	Dated	2012-11-23
B9552	Dated	2012-03-02
4121	Dated	2012-03-22
Waiver oil resistance v2	Dated	2018-02-15

#### 3.3.2 IEC 61097-14 (2010)

75917539 Report 01 Issue 1	Dated	2012-09-03
75917539 Report 05 Issue 1	Dated	2012-11-06
75917539 Report 08 Issue 1	Dated	2012-10-19
75917539 Report 09 Issue 2	Dated	2012-11-23
BSH/46121/4142383/12	Dated	2012-11-23
EFPS Statement	Dated	2018-02-15



Danmark

# Annex to Marine Equipment Directive Module B Type Examination Certificate

## 3.4 Build Status

### 3.4.1 Hardware

Overall Build Level: Revision 3

Circuit Diagram: 011-0018 - P205 Mercury Schematic v3

Parts List: 5b 409-0002 Mercury BOM Oct 2012

Dated

2012-10-10

Dated

2012-10-18

### 3.4.2 Software Note 2

Bootloader: 070100.01.02.00

Application: 070200.01.04.00

## 3.5 Notes

Note 1 This approval supports the use of battery type: Varta CR2/3AH.

Note 2 This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the TÜV SÜD Testing and Certification Regulations.

## 4 Conditions of Validity

This certificate ceases to be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with TÜV SÜD DANMARK ApS or a person appointed by TÜV SÜD DANMARK ApS to perform that role.

During the period of validity of this certificate the applicable regulations (international conventions and relevant resolutions and circulars of the IMO) and testing standards of the Commission Implementing Regulation may change, therefore the product conformity may need to be re-assessed by TÜV SÜD DANMARK ApS.

The Mark of Conformity may only be affixed to the above type approved equipment and a manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of the directive is fully complied with and controlled by a written inspection agreement with a notified body.

Signature:

*M Hardy*  
(M J Hardy)

Date:

24/04/2023

On behalf of TÜV SÜD DANMARK ApS