

EC TYPE-EXAMINATION (MODULE B) CERTIFICATE

Marine Equipment Directive (MED) 2014/90/EU

PHOENIX TESTLAB
Notified Body Number **0700**

Recognised by



0800S11/4822/007

This is to certify that:

PHOENIX TESTLAB did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

Certificate No.	PTL-MED-B-21-111358
Manufacturer Address	SAL Navigation AB Västberga Allé 36 B 126 30 Hägersten Sweden
Directive Reference (No & Item designation)	Directive 2014/90/EU, Regulation (EU) 2021/1158 MED/4.7 Speed and distance measuring equipment (SDME)
Product Name / Trade Name	SIMRAD R1 Easy Tank / SIMRAD R1 Easy Tank

Specified Standards

IMO Resolution A.694(17)	IEC 61023 Ed. 3.0 (2007-06)
IMO Resolution A.824(19)	IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008)
IMO Resolution MSC.191(79)	IEC 61162-1 Ed. 5.0 (2016-08)
IMO Resolution MSC.302(87) *	IEC 62288 Ed. 2.0 (2014-07)
	IEC 62923-1 Ed. 1.0 (2018-08) *
	IEC 62923-2 Ed. 1.0 (2018-08) *

*) The equipment is not capable of issuing alerts.

Date of issue:	2021-10-01	Expiry date:	2026-09-30
USCG Approval Category:	165.105		

This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.

The attached Schedule of Approval forms part of this certificate. This certificate consists of 3 pages.



Signed by Klaus Knörig
Notified Body

Schedule of Approval

SIMRAD R1 Easy Tank

System Components

Component	Description	Part Number	Software Version *
Main Unit	SIMRAD R1 ELC	000-14050-001	Axx
Transducer	SAL R1 TRU Easy Tank 10 m	000-14051-001	N/A
Display	SIMRAD SD4-3	000-14049-001	Cxx

*) Capital letters in the Software Version indicate Major revisions (A, B, C, etc.), whereas "xx" represent Minor revision numbers (01, 02, 03, etc.) with no impact on type approved functionality. ("N/A" means there is no software in the component.)

Approval documentation

Manuals	SIMRAD R1 Easy Tank System User Manual, 703852B01 SIMRAD R1 Easy Tank System Installation Manual, 703854B01
Statements	TP21122A01, Declaration of correspondence SIMRAD R1 Easy Tank and SAL R1a

Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
IEC 60945 Ed. 4.0 (2002) incl. IEC 60945 Corr. 1 (2008), Section 11.2, Compass Safe Distance	BSH	Certificate No. 445, 2005-07-04
IEC 60945 Ed. 4.0 (2002) incl. IEC 60945 Corr. 1 (2008), Section 9, 10, EMC	Intertek	1122354-2 Ed. 2, 2012-04-27
IEC 60945 Ed. 4.0 (2002) incl. IEC 60945 Corr. 1 (2008), Section 8.7, 8.2 – 8.4, 12.1, Environmental	Intertek	1122354-1, 2012-03-30
IEC 60945 Ed. 4.0 (2002) incl. IEC 60945 Corr. 1 (2008), Section 8.7, Environmental	Innventia	273 152 B, 2012-01-17
IEC 60945 Ed. 4.0 (2002) incl. IEC 60945 Corr. 1 (2008), Section 8.2, 8.4, Environmental	Intertek	1209547-4, 2012-04-02
IEC 60945 Ed. 4.0 (2002) incl. IEC 60945 Corr. 1 (2008), Section 9, EMC	Jan Linders AB	TP16064 Ver. A01, 2016-04-01
IEC 60945 Ed. 4.0 (2002) incl. IEC 60945 Corr. 1 (2008), Section 9, EMC	Jan Linders AB	TP16065, 2016-03-23
IEC 60945 Ed. 4.0 (2002) incl. IEC 60945 Corr. 1 (2008), Section 8.2 – 8.4, Environmental	Intertek	913128, 2009-10-30
IEC 60945 Ed. 4.0 (2002) incl. IEC 60945 Corr. 1 (2008), Section 9, 10, EMC	SP Technical Research	F917800-A, 2009-12-14



Specification	Laboratory	Test Report Number / Version
IEC 61023 Ed. 2.0 (1999-07)	BSH	4612/4070407/06, 2006-11-28
IEC 61023 Ed. 3.0 (2007-06)	BSH	4612/4071591/10-1, 2010-03-17
IEC 61023 Ed. 3.0 (2007-06)	BSH	4612/4061984/11, 2011-09-30
IEC 61162-1 Ed. 2.0 (2000-07)	Consilium	TP02111A0, 2002-04-24
IEC 61162-1 Ed. 4.0 (2010-11)	BSH	4612/4071840/11, 2011-01-12
IEC 61162-1 Ed. 3.0 (2007-04)	BSH	46162/0041158/09, 2010-03-22
IEC 62288 Ed. 1.0 (2008-07)	BSH	4612/4071591/10, 2010-03-17
IEC 62288 Ed. 1.0 (2008-07)	Consilium	TP09093B, 2009-10-28
IEC 62288 Ed. 2.0 (2014-07)	Consilium	TP15047A01, 2015-02-20

Place of Production

SAL Navigation AB
Västberga Allé 36 B
SE-126 30 Hägersten
Sweden

Brand Owner "SIMRAD R1 Easy Tank"

Navico Holding AS
Nyaskaiveien 2
Egersund 4374
Norway

Application/Limitation

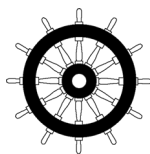
The product is a speed and distance measuring equipment (SDME) for measuring speed and distance through the water.

The equipment is not capable of issuing alerts.

Notes

1. This certificate will not 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 PHOENIX TESTLAB.
2. During the period of validity of this certificate the applicable regulations (international conventions and the 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 the Notified Body.

3.



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 ANNEX II of the Directive is fully complied with.

U.S. Coast Guard Approval

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004 and amended by Decision No.1/2008 dated February 18th, 2019 according to U.S. Coast Guard approval category 165.105.

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F) as allowed by the MRA.

