



Marine & Offshore

Certificate number: 13945/D0 MED

File number: NAV 2/56325/01

Item number: MED/4.1

USCG Module B number: 165.101 / EC2690

*This certificate is not valid when presented without the full
attached schedule composed of 7 sections*

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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2018/773 of 15 May 2018

This certificate is issued to:

SAURA KEIKI SEISAKUSHO CO., LTD.

Saitama - JAPAN

for the type of product

MAGNETIC COMPASS - CLASS A FOR SHIPS

Class A Magnetic Compass Type: SR - 165

Requirements:

SOLAS 74 Convention as amended, Regulations V/18, V/19 and X/3

IMO Res. A.382(X), A.694(17)

IMO Res. MSC36(63) -1994 HSC code- as amended, 13

IMO Res. MSC97(73) -2000 HSC code- as amended, 13

IMO Res. MSC.302(87), A.1021(26)

ISO 1069:1973, ISO 25862:2009

IEC 60945 (2002) + /Corr.1 (2008)

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.


This certificate will expire on: 20 May 2024

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV KOBE, on 20 May 2019,

Shinichi Takemoto



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarpm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=5gygxmzvo5>

BV Mod. Ad.E 536 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Magnetic Compass - Class A - Type: SR - 165

Note: with binnacle and reflector.

2. DOCUMENTS AND DRAWINGS:

Manufacturer's drawings and documents endorsed by Bureau Veritas and filed in NAV 2/56325/01.

3. TEST REPORTS:

- 3.1 - Research Institute of Marine Engineering test report N° 05-243(E) issued on 21/08/2005
- 3.2 - Research Institute of Marine Engineering test report N° 05-139(E) issued on 05/07/2005
- 3.3 - Research Institute of Marine Engineering test report N° 05-194(E) issued on 31/08/2005
- 3.4 - Research Institute of Marine Engineering test report N° 05-196(E) issued on 09/08/2005
- 3.5 - Bureau Veritas test report dated 15/09/2005
- 3.6 - Research Institute of Marine Engineering Test report on Vibration Test N°13-624(E) issued on 10/02/2014
- 3.7 - FMEA & risk assessment Ref F001 dated 10/05/2017.

4. APPLICATION / LIMITATION:

- 4.1 - As per requirements of Regulations stated on front page of this certificate.
- 4.2 - Each magnetic compass is to be properly compensated and its table or curve of residual deviations is to be available on board in the vicinity of the compass at all time.
- 4.3 - The following component(s) shall comply with the requirements of MED2014/90/EU, as amended, and be wheelmarked:
- Magnetic Compass - Class A - Type: SR - 165

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.
- 5.2 - For information concerning the production phase modules, SAURA KEIKI SEISAKUSHO CO., LTD. has declared the following manufacturing site(s):

**SAURA KEIKI SEISAKUSHO CO., LTD.
339-1, Ohkuboryoke, Sakuraku 338-0826
Saitama JAPAN**

6. MARKING OF PRODUCT:

- 6.1 - Reference is made to MED 2014/90/EU chapter 2.
In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).
- 6.2 - In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004, the product(s) marked as per MED 2014/90/EU may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

7. OTHERS:

- 7.1 - It is SAURA KEIKI SEISAKUSHO CO., LTD. (Saitama - JAPAN) responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
- 7.2 - This certificate supersedes the Type Approval Certificate N° 13945/C1 EC issued on 27/10/2017 by the Society.

*** END OF CERTIFICATE ***