



**Marine & Offshore
Division**

Certificate number: 41915/A0 EC

File number: NAV 02/12577/06

Annex A1 Item number: A.1/4.3

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

Notified Body 0062 - MARINE EQUIPMENT DIRECTIVE 96/98/EC

EC TYPE EXAMINATION CERTIFICATE

*as per Module B of European Union Council Directive 96/98/EC on marine equipment
as amended by Commission Directive 2014/93/EU*

This certificate is issued to

ALPHATRON MARINE BV
ROTTERDAM - NETHERLANDS

for the type of product

GYRO COMPASS

Gyrocompass - Type : ALPHAMIDICOURSE

Requirements:

SOLAS 74 Convention as amended, Regulations V/18 and V/19
IMO Res. A.424(11)
IMO Res. A.694(17)
IMO Res. MSC.191(79)
ISO 8728 (2014)
IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008)
IEC 61162-1 Ed. 4.0 (2010) including IEC 61162-1 Corrigendum 1 (2013)
IEC 61162-2 Ed. 1.0 (1998)
IEC 62288 Ed. 2.0 (2014)

This certificate is issued on behalf of the French Maritime Authorities to attest that BUREAU VERITAS did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Council Directive 96/98/EC of 20 December 1996 as amended.


This certificate will expire on: 25 Aug 2020

For BUREAU VERITAS Notified Body 0062,

At BV KOBE, on 25 Aug 2015,

Yasuo Hiramatsu



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 B 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. 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 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 Division 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 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 SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Gyrocompass - Type: ALPHAMIDICOURSE

The ALPHAMIDICOURSE consists of:

- Master Compass Unit Type: ALPHAMIDICOURSE
- Control Unit associated with Interfaces Type I/S/D
- Annunciator unit

2. DOCUMENTS AND DRAWINGS:

Technical Documentation dated 18/02/2015 including:

- General Description
- System block diagram
- Software Documentation
- Outline Drawings N°s: 109904210 - 109904220 - 109904230 - 109904240 - 109904320 - 109904330 - 109904340 - 109904360 - 109904370 - 109904380 - 109904390 - 109904400
- Operator Manual.

Nb: This above list can be revised to show changes to drawing issue status.

Before changes can be implemented, new drawings must be provided to Bureau Veritas for review and acceptance.

The new drawing list will be stamped and endorsed accordingly.

3. TEST REPORTS:

- 3.1 - Test report dated 07/11/01 ~ 16/05/02 issued by TOKYO KEIKI INC. in-house Laboratory. The tests were witnessed by a Society's Surveyor.
- 3.2 - Test report dated 06/12/07 issued by TOKYO KEIKI INC. in-house Laboratory. The tests were witnessed by a Society's Surveyor.
- 3.3 - Test report dated 26&27/03/09 issued by TOKYO KEIKI INC. in-house Laboratory. The tests were witnessed by a Society's Surveyor.
- 3.4 - Certificate of Laboratory Recognition N° SMS.L.I. CE/22796/A0.
- 3.5 - IEC61162-1 Ed.4 and IEC61162-2 Ed.1 test reports included in Documents for Type Approval for BV issued by TOKYO KEIKI INC. in-house Laboratory and dated 19/11/2012.
- 3.6 - ISO8728 (1997), ISO 16328 (2001), IEC 60945(2002), IEC 61162 (2000) Test report dated 18&19/03/13 issued by TOKYO KEIKI INC. in-house Laboratory. The tests were witnessed by a Society's Surveyor.
- 3.7 - IEC60945 Ed.4 (2002) Test report dated 11/03/13 issued by INTERTEK Laboratory.
- 3.8 - IEC62288 Ed.1 (2008) Test report dated 27/02/13 issued by TOKYO KEIKI INC. in-house Laboratory. The tests were witnessed by a Society's Surveyor.
- 3.9 - IEC 62288 Ed.2 (2014) Test Report dated 20/02/2015
- 3.10 - Annunciator Unit Test Report Dated : 19-20/02/2015

4. APPLICATION / LIMITATION:

- 4.1 - As per Requirements of Regulations stated on the front page of this certificate.
- 4.2 - Annunciator unit is to be provided for alert communications with a Bridge Alert Management [IMO Res.MSC.302(87)] and an Integrated Navigation System [IMO Res.MSC.252(83) and IEC 61924-2].

5. PRODUCTION SURVEY REQUIREMENTS:

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 E "Product Quality Assurance" or F "Product Verification" of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

6. MARKING OF PRODUCT:

- 6.1 - Maker's name or trade mark,
- Serial number of the units,
- Equipment type number or model identification under which it was type-tested,
- Minimum safe distance at which the equipment may be mounted from a standard and a steering magnetic compass.

6.2 - Markings as per MED 96/98/EC:

☒ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (when BV, 0062) and where XX are the last two digits of year mark affixed.

6.3 - 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 96/98/EC may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

7. OTHERS:

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the Gyro Compasses at any time, and that **TOKYO KEIKI INC., 333-4 Azumacho, Yaita, (Tochigi) 329-2136 - Japan** and **ALPHATRON MARINE BV, SCHAARDIJK, 23 3063 NH ROTTERDAM- NETHERLANDS** will accept the responsibility for informing shipbuilders or their sub-contractors of the proper methods of use and general maintenance of the Gyro Compasses and the conditions of this approval.

7.2 - This certificate is the distributor certificate of EC Type Examination Certificate N° 11989/C2 EC issued by the Society.

*** END OF CERTIFICATE ***