

# EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED200319CS/001

**This is to certify** that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Navigation Equipment requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2018/773.

MED Item No

MED/4.1

USCG Category Nº

165,101

Description

Magnetic compass Class A for ships

Type

Applicant

AUTONAUTIC INSTRUMENTAL S.L.

CAMI DEL MIG 116, 1 PL POL. INDUSTRIAL LES CORTS CABRERA DE

08349 (BARCELONA)

**SPAIN** 

Testing standards

ISO 1069 (1973); ISO 25862 (2009); EN 60945 (2002) Including IEC 60945

Corrigendum 1 (2008)

Reference standards

SOLAS 74 Reg. V/19, IMO Res.A.382(X), IMO Res.A.694(17), IMO

Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC

Code) 13, IMO Res.MSC.302(87).

Issued in Genoa on June 11, 2019

This Certificate is valid until

June 10, 2024

This Certificate consists of this sheet plus an attachment

no Ettore Cervetto RINA Services S.p.A.

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# ATTACHMENT TO CERTIFICATE No. MED200319CS/001 Page 1 of 2

Manufacturer
AUTONAUTIC INSTRUMENTAL S.L.

Place of Manufacturer
CAMI DEL MIG 116
1 PL POL. INDUSTRIAL LES CORTS CABRERA DE MAR
08349 Barcelona
SPAIN

## **Product description**

Reflector magnetic compass Class A (ISO25862- A2-125) with the following main characteristics:

Magnetic moment: 1.2 A.m<sup>2</sup>
Type of liquid: Autonautic fluid NC10
Material of compass bowl: ABS
Material of binnacle bowl: ABS
Compass card: Ø 125 mm
Number of magnets: 2
Weight: 8360 gr

### Field of application

Magnetic compass Class A to be use on board of ship and small vessels.

#### Reference documents

Product description drawing n°0.14 issued by Autonautic Instrumental S.L. and approved by RINA with n° CSST 11075;

Installation & operators manual C20-00128 issued by Autonautic Instrumental and filed by RINA with n° CSST 11076:

### Tests carried out

Test report n° 14/31700034 issued by LGAI Technological Center S.A. and filed by RINA with n° CSST 11077;

Test report n° C/130374I1 issued by Instituto Tecnologico de Aragon and filed by RINA with n° CSST 11078;

Test report n° E-08124.0007 issued by Metaltest and filed by RINA with n° CSST 11079. Test type approval report ISO25682:2009 witnessed and filed by RINA with n° CSST 11080.

#### Remark

This certificate supersides and replaces certificate MED067214CS/001 issued on March 20, 2014 due to change of the trade name of the Applicant and/or the Manufacturer.

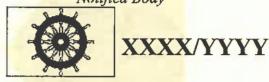






# ATTACHMENT TO CERTIFICATE No. MED200319CS/001 Page 2 of 2

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 a written inspection agreement with a Notified Body



"WHEELMARK FORMAT"

XXXX

Notified Body number undertaking surveillance module

YYYY

The year in which the mark is affixed

#### **USCG Approval**

This product has been assigned a U.S. Coast Guard module B number (USCG number: 165.101/EC0474) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27<sup>th</sup>, 2004.

The manufacturer is allowed to affix the U.S. Coast Guard approval number to the above equipment subject to the authorization of the Notified Body undertaking the surveillance module.

#### General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.

RIGH

Digo Ettore Cervetto



