



**EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED201324CS/002**

***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) 2023/1667.*

<i>MED Item N°</i>	MED/4.1
<i>USCG Category N°</i>	165.101
<i>Description</i>	Magnetic compass Class A for ships
<i>Type</i>	C20 - 00128; C20 - 00130
<i>Applicant</i>	AUTONAUTIC INSTRUMENTAL S.L. Carrer Agricultura 22 Local 6. El Masnou. 08320 Barcelona SPAIN
<i>Testing standards</i>	ISO 1069:1973, ISO 25862:2019, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.
<i>Reference standards</i>	SOLAS 74 Reg. VI/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
May 22, 2024

This Certificate is valid until
May 21, 2029

This Certificate consists of this sheet plus an attachment

Giovanni Carratino

RINA Services S.p.A.



**ATTACHMENT TO
CERTIFICATE No. MED201324CS/002**

Page 1 of 2

Manufacturer

AUTONAUTIC INSTRUMENTAL S.L.

Place of Manufacturer

Carrer Agricultura 22 Local 6. El Masnou.
08320 Barcelona
SPAIN

Product description

Reflector magnetic compass Class A (ISO25862:2019 - A2-125) with the following main characteristics:

C20-00130

Magnetic moment: 1,2 A.m²
Type of liquid: Autonautic fluid NC10
Material of compass bowl: ABS
Material of binnacle bowl: Marine grade aluminum
Compass card: Ø 125 mm
Number of magnets: 2
Weight: 7600 g

C20-00128

Magnetic moment: 1,2 A.m²
Type of liquid: Autonautic fluid NC10
Material of compass bowl: ABS
Material of binnacle bowl: Marine grade aluminum
Compass card: Ø 125 mm
Number of magnets: 2
Weight: 4650 g

Field of application

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

Reference documents

- Product specification drawing n°0.14 issued by Autonautic Instrumental S.L. and filed by RINA with n° CSST 22619;
- Installation & operators manual C20-00128 and C20-00130 issued by Autonautic Instrumental and filed by RINA with n° CSST 22611;
- Drawing of binnacle compass seal layout C20-00130 and C20-00128 issued by Autonautic Instrumental and filed by RINA with n° CSST 22610.

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/13037411 issued by Instituto Tecnológico 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 ISO25682:2019 witnessed and filed by RINA with n° CSST 22613.
- Test report n° 24/36401982 issued by Applus laboratories and filed by RINA with n° CSST 22612.

Remark

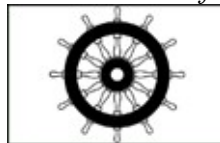
This certificate supersedes and replaces certificate MED200319CS/001 issued on June 11, 2019 due to renewal.



ATTACHMENT TO
CERTIFICATE No. MED201324CS/002

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



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX Notified Body number undertaking surveillance module

YYYY The year in which the mark is affixed

USCG Approval marking

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. 1/2018 dated February 18th, 2019 according to U.S. Coast Guard approval category **165.101**.

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 MED.

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 not 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 reappraised prior to it being placed on board vessels to which the amended regulations or standards apply.

Giovanni Carratino

RINA Services S.p.A.