



**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.

<i>MED Item N°</i>	<b>MED/4.1</b>
<i>USCG Category N°</i>	<b>165.101</b>
<i>Description</i>	<b>Magnetic compass Class A for ships</b>
<i>Type</i>	<b>C20</b>
<i>Applicant</i>	<b>AUTONAUTIC INSTRUMENTAL S.L.</b> CAMI DEL MIG 116, 1 PL POL. INDUSTRIAL LES CORTS CABRERA DE MAR 08349 (BARCELONA) SPAIN
<i>Testing standards</i>	<b>ISO 1069 (1973); ISO 25862 (2009); EN 60945 (2002) Including IEC 60945 Corrigendum 1 (2008)</b>
<i>Reference standards</i>	<b>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).</b>

*Issued in Genoa on*  
June 11, 2019

*This Certificate is valid until*  
June 10, 2024

*This Certificate consists of this sheet plus an attachment*



**Dino Ettore Cervetto**  
RINA Services S.p.A.





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*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/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 ISO25682:2009 witnessed and filed by RINA with n° CSST 11080.

**Remark**

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





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*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**

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***

- The initial conditions verified by RINA at the time of the approval are to be maintained
- Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- 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
- RINA personnel are to be allowed to witness during the performances of activities, upon their request
- The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reaproved prior to it being placed on board vessels to which the amended regulations or standards apply.



  
Dino Ettore Cervetto

