



## EC TYPE EXAMINATION (MODULE B)

CERTIFICATE Nr. MED067214CS/001

**This is to certify,** that RINA, specified as Notified Body N° 0474 by the Italian "Ministero delle Infrastrutture e dei Trasporti Direzione Generale per la navigazione ed il Trasporto Marittimo ed Interno" on 25 November 1998, 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) 96/98/EC as modified by Directive 2012/32/EU

MED Item N°	A.1/4.1a
Description	<b>Magnetic compass - Class A for ships</b>
Type	<b>C20</b>
Applicant	<b>AUTONAUTIC INSTRUMENTAL S.L.</b> C/ ITALIA 1 08320 EL MASNOU (BARCELONA) SPAIN
Testing standards	<b>ISO 1069 (1973); ISO 25862 (2009); EN 60945 (2002)</b> <b>Including IEC 60945 Corrigendum 1 (2008)</b>
Reference standards	<b>Reg.V/19, IMO Res.A.382(X), IMO Res.A.694(17)</b>

Issued at Genoa on  
March 20, 2014

This Certificate is valid until  
March 19, 2019

This Certificate consists of this sheet plus an attachment



on behalf  
of

**Franca Parisi**  
RINA Services S.p.A.



**ATTACHMENT TO  
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*Manufacturer*

**AUTONAUTIC INSTRUMENTAL S.L.**

*Place of Manufacturer*

C/ ITALIA 1  
08320 EL MASNOU (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 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.

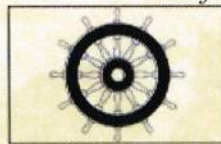
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*The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex B of the Directive is fully complied with a written inspection agreement with a Notified Body*



**XXXX/YY**

**"WHEELMARK FORMAT"**

XXXX Notified Body number undertaking surveillance module  
YY Last two digits of year mark affixed

**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 reaproved prior to it being placed on board vessels to which the amended regulations or standards apply.



*on behalf  
of*

**Franca Parisi**