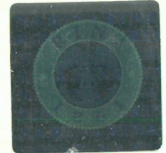




EC TYPE EXAMINATION (Module B)

Certificate N. MED178616CS002



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 2015/559/EU

MED Item .N°	A.1 / 4.21
Description	Propeller revolution indicator with converter
Type	Dial indicator CGE13040 with Frequency Converter AMP10118
Applicant	SAN GIORGIO S.E.I.N. Srl Via A. Pedullà 59 16165 GENOVA ITALY
Testing Standard	EN 60945 (2002) + Corrigendum 1 (2008), ISO 22554 (2007), IEC 62288 Ed. 2.0 (2014-07)
Reference Standards	SOLAS Reg.V/19; IMO Res. A.694 (17); IMO Res. MSC. 191 (79)

Issued at **Genova** on
July 28, 2016

This Certificate is valid until
July 28, 2021

This certificate consists of this sheet plus an attachment:
(2 pages)

Franca Parisi
RINA Services S.p.A.



ATTACHMENT TO
CERTIFICATE Nr. MED 178616CS002



Manufacturer

SAN GIORGIO S.E.I.N. Srl

Place of Manufacturer

Via A. Pedullà 59

16165 Genova

Italy

Product description:

Propeller shaft revolution indicator CGE13040 and Converter AMP10118

Indicator $\varnothing=100$ mm

Scale ± 100 rpm to ± 1500 rpm

Wheel teeth 1 to 255

System accuracy: $\pm 1\%$ f.s. (converter + indicator)

System power supply: 12Vdc or 24Vdc ($\pm 20\%$)

S.E.I.N. Reference documents:

Letter rif. 44/11/MM

Letter rif. 51/11/MM

Dwg. n. D050215

Dwg. n. D041025

Technical description n. M110520

Test reports:

TesLab report n. 112021 N (02/05/2011)

TesLab report n. 05B146F (13/12/2005)

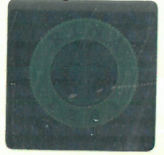
RINA additional report : RINA/ SEIN 01/06/2011

Remark:

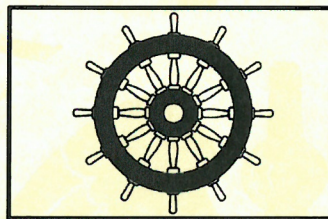
This certificate annuls and replaces the previous n. MED428310CS/001 issued on June 6, 2011



ATTACHMENT TO CERTIFICATE Nr. MED 178616CS002



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 condition 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 longer 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 the performance 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 regulation or standards apply.


Franca Parisi