



DECLARATION OF CONFORMITY

According to
Low Voltage Directive 2014/35/EU
EMC Directive 2014/30/EU
RoHS Directive 2011/65/EU and 2015/863 "RoHS 3"

We: DEIF A/S
Frisenborgvej 33
7800 Skive
Denmark

Do hereby declare under our sole responsibility, that the below product(s):

Designation: **Illuminated instruments**

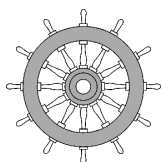
Type: **XL72, XL96, XL144, XL192**
BW144, BW192, BRW-2
For indicating:
Rudder Angle, RPM, Pitch, Azimuth or Rate of Turn

Which are covered by this declaration, all conform to the following standards:

LVD: EN 61010-1:2010+A1:2019+A1:2019/AC:2019-04 - Safety requirements for electrical equipment
for measurement, control and laboratory use
EN 60529:1991+A1:2000+A2:2013+AC:1993+AC:2016-12+A2/AC:2019-02 -
Degrees of protection provided by enclosures (IP code)

EMC: EN 61000-6-1:2007 - Immunity for residential, commercial and light-industrial environments
EN 61000-6-2:2005+AC:2005 - Immunity for industrial environments
EN 61000-6-3:2007+A1:2011+A1:2011/AC2012 - Emission for residential, commercial and light-
industrial environments
EN 61000-6-4:2007+A1:2011 - Emission for industrial environments

RoHS: EN IEC 63000:2018 - Technical documentation for the assessment of electrical and electronic
products with respect to the restriction of hazardous substances



DECLARATION OF CONFORMITY

According to

Marine Equipment Directive 2014/90/EU

(Include amendment 98/95/EC, 2001/53/EC, 2002/75/EC, 2002/84/EC, 2008/67/EC, 2009/26/EC, 2010/68/EU, 2011/75/EU, 2013/52/EU, 2017/306/EU, 2019/1397/EU, 2022/1157/EU and Regulation 2023/1667/EU)

MED:	Type examination	Module B
	Quality system	Module D
IEC/EN 60945 +COR.1	2002 2008	Marine navigation and radio communication equipment and systems.
IEC/EN 61162-3 +A1 +A2 IMO res.A.694(17) IMO res.MSC.191(79)	2008 2010 2014	Marine navigation and radio communication equipment and systems – Digital interface. Serial data instrument network.
Rudder angle indicator: ISO 20673 IMO res.A.526(13) RPM indicator: ISO 22554	2007 2015	Ships and marine technology. Electric rudder angle indicators. Ships and marine technology – Propeller shaft revolution indicators electric type.
Pitch indicator: ISO 22555 Rate of turn indicator: ISO 20672 +COR. 1	2007 2007 2008	Ships and marine technology – Propeller pitch indicators. Ships and marine technology – Rate of turn indicators.
Rudder angle indicator/RPM indicator/Pitch indicator/Rate of turn indicator: IMO res.MSC.302(87)		ADOPTION OF PERFORMANCE STANDARDS FOR BRIDGE ALERT MANAGEME
IMO res.MSC.36(63) IMO res.MSC.97(73)	(1994 HSC code) 13 (2000 HSC code) 13	
Notified body	0098	
Certificate number	RAI: MEDB00003AN rev. 1 RPM: MEDB00003AR rev. 1 Pitch: MEDB00003AS rev. 1 ROT: MEDB00003AT rev. 1 Modul D:MEDD00001AE rev.2	exp. 22.03.2025 exp. 22.03.2025 exp. 22.03.2025 exp. 22.03.2025 exp. 26.11.2024

The technical documentation for this equipment is retained at the following address:
DEIF A/S, Frisenborgvej 33, 7800 Skive, Denmark.

December 1, 2023

DEIF A/S


On behalf of DEIF A/S management
Jesper Flyvholm
Certification Manager