

## Marine Equipment Directive EC Type Examination Module B Certificate

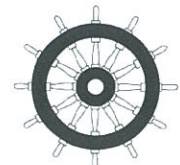
This is to certify that TÜV SÜD Danmark did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Marine Equipment Directive (2014/90/EU) requirements, under the following Implementing Regulation for the listed types of equipment

<b>Implementing Regulation</b>	<b>(EU)2019/1397</b>
<b>Certificate Holder and Manufacturer</b>	<b>Ritchie Navigation 243 Oak Street Pembroke MA 02359 United States of America</b>
<b>EC Representative</b>	<b>Mr R. Kemperman IMDS de Amstel 38-40 8253PC Dronten The Netherlands</b>
<b>Product(s)</b>	<b>FN-201-WM</b>
<b>Product Sector</b>	<b>Navigation Equipment</b>
<b>Product Type</b>	<b>MED/4.23 Magnetic compass Class B for lifeboats and rescue boats</b>

and on the basis of the Technical Data and information detailed in the Annex to this certificate.

Valid from: 28 October 2019 (Signature)  Expiry Date: 01 May 2021

This certificate has been issued in accordance with the TÜV SÜD Testing and Certification Regulations and constitutes page 1 of the combined Certificate and Annex.  
The Conditions for the validity of this certificate are listed in the Annex.  
For further details, related to this certification please contact [BABT@TUV-SUD.co.uk](mailto:BABT@TUV-SUD.co.uk)



**2443**

Issued by TÜV SÜD Danmark under document number: DK-MED000098 Issue 02

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# Annex to Marine Equipment Directive Module B Type Examination Certificate



## 1 Equipment Description

Magnetic compass for lifeboats and rescue boats

### 1.1 Models

Model	Description
FN-201-WM	Base model
FNW-201-WM	White versions
DNW-200-WM	
DNB-200-WM	Black version
DNP-200-WM	Binnacle mount version <sup>Note 1</sup>
FN-201-NOR WM	Additional artwork

## 2 Assessed Requirements

### 2.1 Implementing Regulation (EU)2019/1397

### 2.2 Compliance Requirements for MED/4.23

IMO Resolutions	International Testing Standards	
IMO Res. MSC.48(66)	ISO 1069:1973	Magnetic compasses and binnacles for sea navigation -- Vocabulary
	ISO 25862:2009	Ships and marine technology -- Marine magnetic compasses, binnacles and azimuth reading devices
IMO Res. A.694(17)	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008	Maritime navigation and radiocommunication equipment and systems — General requirements

## 3 Technical Documentation

### 3.1 Declaration of Conformity

Declaration of Conformity Master Navigator Draft New Modified 2019-10-25

### 3.2 User Guide

Installation, Compensation and Maintenance Instructions for RITCHIE®  
Compasses, Part No. SH-0218 Dated 2016-03-09

### 3.3 Test Reports

010115 Dated 2001-03-20  
4612/62121666/11 Dated 2011-07-01  
Statement of manufacturer F-201-WM Dated 2016-04-18

### 3.4 Build Status

#### 3.4.1 Hardware

Drawing No. FN-201-WM p1 Dated 2016-04-19  
Parts List FN-201-WM Revision Level 1 Dated 2016-03-16

### 3.5 Notes

Note 1 ISO 25862:2009 testing of a Type A2 Binnacle is not covered by this type approval.

# Annex to Marine Equipment Directive Module B Type Examination Certificate



## 4 Additional Information

The products listed on this certificate were originally assessed and certified by TÜV SÜD BABT under Notified Body number 0168. This certificate replaces TÜV SÜD BABT Certificate Number BABT-MED000098 Issue 01.

## 5 Conditions of Validity

This certificate ceases to be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with TÜV SÜD Denmark or a person appointed by TÜV SÜD Denmark to perform that role.

Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/them being placed on the market or onboard vessels to which the amended regulations or standards apply.

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 and controlled by a written inspection agreement with a notified body.

Signature: M Hardy

Date: 28<sup>th</sup> October 2019

Print Name: MICHELLE HARDY

On behalf of TÜV SÜD Denmark