

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the Compass Bearing Device

with type designation(s)
MKX617 Azimuth Circle

Issued to

Yokogawa Denshikiki Co., Ltd., Morioka Branch
Morioka City Iwate, Japan

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306**,
item No. MED/4.54. SOLAS 74 as amended, Regulations V/18 & V/19

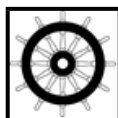
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-04-02**.

Issued at **Høvik** on **2018-04-03**

DNV GL local station:
Yokohama

Approval Engineer:
Frederik Tore Elter



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body



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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Job Id: **344.1-001118-9**
Certificate No: **MEDB00003Z1**

Product description

The azimuth circle MKX617 is an azimuth reading device installed on Yokogawa Denshikiki gyro compass repeaters. It is defined as Group I according to ISO 25862 (2009).

Application/Limitation

To be used with Yokogawa Denshikiki gyro compass repeater MKR050.

Type Examination documentation

Tests carried out

- Environmental testing: IEC 60945 (2002)
- Performance testing: ISO 25862 (2009)

Marking of product

The type designation and name and contact address of the manufacturer shall be affixed visibly, legibly and indelibly to the product.