DNV·GL

Certificate No:
MEDB00000XH

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate.
This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Pitch indicator

with type designation(s)
Bridge Mate Propulsion Display

Issued to
Marine Technologies LLC
EGERSUND, Norway

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/4.22 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation V/18, V/19 & X/3, IMO Res A.694(17), IMO Res. MSC. 191(79) and 2000 HSC Code 13

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

This Certificate is valid until **2021-05-19**.

Issued at **Høvik** on **2016-05-20**

for **DNV GL AS**

DNV GL local station:
Stavanger

Approval Engineer:
Rolf Heger

Notified Body
No.: **0575**

Vidar Dolonen
Head of Notified Body

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Job Id: **344.1-005328-1**
Certificate No: **MEDB00000XH**

Product description

Bridge Mate Propulsion Display comprises following:

Hardware modules:

- MT computer or MT Panel PC
- MT Display
- MT CC Computer
- MT I/O interface Units

Hardware modules are described in detail as hardware profile **HW5** in separate certificate. See Type examination documentation list below.

Application/Limitation

- Tested without sensor. The System processes 4-20mA or ±0-10V analog signals
- The Propulsion Display is capable to view Thrust as a combination of RPM and Pitch
- The Pitch indicator is restricted to be used in MT BridgeMate applications

Type Examination documentation

DNV GL No.	Document No.	Rev.	Title
5	TAA000000B	-	Certificate: DNV GL, Bridge Mate Hardware Platform
4	MT-DEV-0683	5.5	Manual: MT, Operations Manual Overhead panels
2	MT-DEV-5460	2016-03-21	Report: MT, Signed Propulsion Display Test Report

Tests carried out

- Performance testing, ISO 22555 (2007)
- Presentation testing, IEC 62288 (2014)

Marking of product

The Manufacturer and Type Designation to be applied to the equipment in a clearly visible location. In addition the equipment shall be marked with serial number, safe distance to magnetic compass, power consumption and/or supply voltage.