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Register

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER

Mariner Systems (UK) Ltd.
Oaklands Park, Wokingham,
Berkshire,
RG41 2FD,
United Kingdom

DESCRIPTION

HP EliteDisplay E202 20-inch Monitor

APPLICATION

Marine use in environmental categories ENV1, ENV2 and ENV3 as described in LR Test Specification No. 1, 2015

STANDARD

LR Test Spec No.1: 2015 (ENV3)

RATINGS

Power supply	100-240 VAC 50/ 60 Hz
Maximum power	33 W
Input connectors	Display port 1.2 HDMI VGA
USB	USB 2.0 (three ports)
Native resolution	1600 * 900 @60 Hz

ADDITIONAL TESTS

Acoustic noise at a distance of 1 metre (IEC 60945):

Before	Equipment on	After
34.0 dB (A)	34.1 dB (A)	34.0 dB (A)

Shock test: 15g, 11ms, 20 pulses

Low temperature test: -25 Deg C for 16 hours

OPERATIONAL**Certificate No.**

17/ 00026

Issue Date

6 March 2017

Expiry Date

5 March 2022

Sheet

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Andrei Petrov
Southampton Technical Support Office
Lloyd's Register EMEA

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LIMITATIONS

Compass safe distance (IEC 60945):

1 Degree Deflection	0.3 Degree Deflection
500 mm	500 mm

Monitor must be installed in conjunction with Mariner Kit MS1450 (Deck Mount), MS1455 (Wall Mount) or MS1460 (Console Mount)

Type Approval of products according to Test Specification No.1 is essentially Type Approval of hardware. Examination of software aspects is restricted to functional operation as demonstrated in the Performance test

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No.17/00026 and its supplementary Type Approval Terms and Conditions form part of this Certificate

Certificate No. 17/ 00026
Issue Date 6 March 2017
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