



Confirmation of Product Type Approval

Company Name: MARINER SYSTEMS UK LTD

Address: OAKLANDS PARK, WOKINGHAM, United Kingdom, RG41 2FD

Product: Mounting Devices for PCs and Monitors

Model(s): MS1170, MS1175, MS1180

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	19-DL1919260-PDA	29-OCT-2019	28-OCT-2024
Manufacturing Assessment (MA)	20-4451837	13-OCT-2020	04-NOV-2025
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Navigation, Control, Loading Instrument and General purpose applications.

Description

Environmentally tested for use with the HP EliteDisplay E190i 18.9-inch 5:4 LED Backlit IPS Monitor. The monitor must be used in conjunction with the mounting device for operation in the marine environment.

Ratings

Input Power: 100 - 240VAC

Frequency: 50/60 Hz

Operating Temperature: 0 Deg C to 40 Deg C

Service Restrictions

1. Unit Certification is not required for this product. The monitor will require Unit Certification if intended for use in any machinery monitoring or directional functions onboard an ABS classed vessel, MODU or facility.

2. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. The approved models/model numbers are listed within Mariner Systems (UK) Ltd Website: www.marinersystems.com

Notes, Drawings and Documentation

DA-14806: HP Monitor Data

MS1170_A: MS1170 Assembly

MS1175_A: MS1175 Assembly

MS1180_A: MS1180 Assembly

MS1180_DD: MS1180 Drilling Detail

Test Requirements: Marine Test Requirements

TL14017: HP EliteDisplay (ENV and EMC Test Report)

Test Lab: MS TESTING

Report No. and Date: TL14017, 16-Oct-2019

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 28/Oct/2024 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

- Marine Vessels Rules (2019) 1-1-4/7.7, 1-1-A3, 1-1-A4; 4-9-9/13, 4-9-9/13 Table 1, Table 2
- Mobile Offshore Units Rules (2019) 1-1-4/9.7, 1-1-A2, 1-1-A3, 6-1-1/9, 6-1-1/13

International Standards

IACS UR E10, Rev.7

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read "Joseph W. White".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 08-Jan-2021 3:07

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.