



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): MS1450 / MS1455 / MS1460 / MS1470 / MS1475 / MS1480 / MS1510 / MS1515 / MS1520

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	17-LD1597955-PDA	17-FEB-2017	16-FEB-2022
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

ABS Classed Vessels and Offshore Installations in accordance with the listed ABS Rules and International Standards.

Description

Environmentally tested for use with the HP Elite Display E202/E232/E242 monitors. The monitors must be used in conjunction with the mounting device for operation in the marine environment.

Ratings

Input Voltage: 100-240 VAC; Frequency: 50/60 Hz; Temperature: -20 Deg. C to +60 Deg. C

Service Restrictions

Unit Certification is not required for this product. 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

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes, Drawings and Documentation

Drawing No. HP E202 Datasheet, HP EliteDisplay E202 20" Monitor QuicSpec Datasheet, Revision: 2, Pages: 1

Drawing No. HP E232 Datasheet, HP EliteDisplay E232 23" Monitor QuicSpec Datasheet, Revision: 3,

Pages: 1

Drawing No. HP E242 Datasheet, HP EliteDisplay E242 24" Monitor QuicSpec Datasheet, Revision: 2, Pages: 1

Drawing No. ISO 9001 Certificate, Mariner Systems ISO 9001:2008 Certificate, Revision: 18, Pages: 1

Drawing No. Issue 10 Test Requirements, Issue 10 - Marine Type Approval Test Requirements, Revision: 10, Pages: 1

Drawing No. MS1450 Assembly Drawing, MS1450 Assembly Drawing, Revision: 1, Pages: 1

Drawing No. MS1455 Assembly Drawing, MS1455 Assembly Drawing, Revision: 1, Pages: 1

Drawing No. MS1460 Assembly Drawing, MS1460 Assembly Drawing, Revision: 1, Pages: 1

Drawing No. MS1470 Assembly Drawing, MS1470 Assembly Drawing, Revision: 1, Pages: 1

Drawing No. MS1475 Assembly Drawing, MS1475 Assembly Drawing, Revision: 1, Pages: 1

Drawing No. MS1480 Assembly Drawing, MS1480 Assembly Drawing, Revision: 2, Pages: 1

Drawing No. MS1510 Assembly Drawing, MS1510 Assembly Drawing, Revision: 1, Pages: 1

Drawing No. MS1515 Assembly Drawing, MS1515 Assembly Drawing, Revision: 1, Pages: 1

Drawing No. MS1520 Assembly Drawing, MS1520 Assembly Drawing, Revision: 1, Pages: 1

Drawing No. PDA Request Form - E202 E232 E242, PDA Request Form, Revision: -, Pages: 1

Drawing No. TL15099, Test Report - HP EliteDisplay E232 23" Monitor, 9 November 2015, Revision: 1, Pages: 1

Drawing No. TL16003, Test Report - HP EliteDisplay E242 24" Monitor, 1 February 2016, Revision: 1, Pages: 1

Drawing No. TL16045, Test Report - HP EliteDisplay E202 20" Monitor, 7 April 2016, Revision: 1, Pages: 1

Drawing No. Test Requirements - Issue 11, Marine Type Approval Test Requirements - Issue 11, Revision: 11, Pages: 1

Drawing No. UKAS Accreditation, UKAS Schedule of Accreditation - Issue 15, Revision: 15, Pages: 1

Term of Validity

This Product Design Assessment (PDA) Certificate 17-LD1597955-PDA, dated 17/Feb/2017 remains valid until 16/Feb/2022 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

ABS Rules

- Steel Vessels (2017): 1-1-4/7.7, 1-1-A3 & A4; 4-8-3/1.7, 4-8-3/1.11, 4-9-8/13, 4-9-8/13 Table 1, Table 2;
- Steel Vessels Under 90 Meters (295 Feet) in Length (2017) 1-1-4/7.7, 1-1-A3 & A4; 4-1-1/3.3,

4-7-1/5.39, 4-7-2/15.1, 4-7-2/15.3, 4-7-2/17.3;

- Facilities on Offshore Installations (2017): 1-1-4/9.7, 1-1-A2 & A3, 1-1;
- Offshore Support Vessels (2017): 1-1-4/7.7, 1-1-A3 & A4, 4-9-8/7, 4-9-8/13, 4-9-8/Tables 1 & 2;
- Mobile Offshore Drilling Units (2017): 1-1-4/9.7, 1-1-A2 & A3, 6-1-1/9, 6-1-1/13;
- Steel Vessels for Service on Rivers and Intracoastal Waterways (2017): 1-1-4/7.7, 1-1-A3 & A4;
- High Speed Crafts (2017): 1-1-4/11.9, 1-1-A2 & A3;
- Steel Barges (2017): 1-1-4/7.7, 1-1-A3 & A4;

International Standards

IACS UR E10 : Rev.6, 2014

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 08-Jan-2021 3:15

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.