



CERTIFICATE NUMBER
14-HS1284015-PDA

DATE
10 Dec 2014

ABS TECHNICAL OFFICE
Houston SED Machinery - Piping
& Electrical Sys.

CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of

SPARTON AYDIN, LLC D/B/A AYDIN DISPLAYS

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: **Monitor, Display Unit**

Model: **MFP19**

This Product Design Assessment (PDA) Certificate 14-HS1284015-PDA, dated 10/Dec/2014 remains valid until 10/Dec/2019 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.

AMERICAN BUREAU OF SHIPPING

Joseph J. Williams

Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/5 9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

SPARTON AYDIN
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Web: aydindisplays.com

Tier: 2 - PDA Issued

Product: Monitor, Display Unit

Model: MFP19

Intended Service:
Marine and Offshore Applications.

Description:
OMEGA Marine Display Unit.
See attached PDF

Rating:
Display: 19.0" TFT, 0.294 X 0.294 mm (0.012" X 0.012");
Voltage: 90-264 VAC, DC 9-32 VDC;
Power: 95 Watts
Enclosure Rating: IP 66 (Front), IP 54 (Rear)

Service Restriction:
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/Drawing/Documentation:
Drawing No. 11062014, Packing_List, Revision: -, Pages: 1
Drawing No. 150-7004-101(-), User's Guide, Revision: -, Pages: 1
Drawing No. 297-7356, Acceptance Test Procedure For P/N 356-7093-501, Revision: -, Pages: 1
Drawing No. 351-7245-501, Fron Panel Assembly, Revision: -, Pages: 1
Drawing No. 351-7246-501, CCA Mounting Frame Assembly, Revision: -, Pages: 1
Drawing No. 353-7343, Outline Drawing, Revision: -, Pages: 1
Drawing No. 356-7093-501, Assembly, Revision: -, Pages: 1
Drawing No. 700-7184, Wiring Diagram, Revision: -, Pages: 1
Drawing No. Aydin_Displays_Omega_19, Specification, Revision: -, Pages: 1
Drawing No. Correspondence, Purchase Order, Revision: -, Pages: 1
Drawing No. Correspondence, ABS TA Application, Revision: -, Pages: 1
Drawing No. Correspondence, ABS Asbestos Form, Revision: -, Pages: 1
Drawing No. Correspondence, EMAIL Dated Jun 20 14, Revision: -, Pages: 1
Drawing No. Correspondence, EMAIL Dated Jun 20 14, Revision: -, Pages: 2
Drawing No. Omega MFP19, Model Omega MFP19 Panel Mount Display, Revision: -, Pages: 1
Drawing No. R-2161P, Test Report, Revision: -, Pages: 1
Drawing No. Report EM141020-1 final, Test Report Color Verification, Revision: -, Pages: 1
Drawing No. Report EM141020-1 final_Page_1, Test Report Color Verification - Signature, Revision: -, Pages: 1

Terms of Validity:
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STANDARDS

ABS Rules:

Rules for Conditions of Classification, Part 1 2014 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

Steel Vessels: 4-8-3/1.11.1, 4-8-3/Table 2, 4-9-8/13

Steel Vessels Under 90 Meters (295 feet) in Length: 4-7-2/Table 1

Offshore Support Vessels (OSV Rules): 4-8-3/1.11.1, 4-8-3/Table 2, 4-9-8/13

Rules for Conditions of Classification, Part 1 - 2014 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

Mobile Offshore Drilling Units: 4-3-3/3.1.1, 4-3-3/Table 1, 4-3-5/3.11.2

National:

NA

International:

IEC 60945

Government:

NA

EUMED:

NA

OTHERS:

None.