



CERTIFICATE NUMBER
17-YO1593451-PDA

DATE
26 Jan 2017

ABS TECHNICAL OFFICE
Yokohama Engineering Services

CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of
KEI SYSTEM CO., LTD.

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, LCD Display Panel**

Model: **KEI-15LCD, KEI-17LCD, KEI-19LCD, KEI-21LCD**

This Product Design Assessment (PDA) Certificate 17-YO1593451-PDA, dated 26/Jan/2017 remains valid until 25/Jan/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.

AMERICAN BUREAU OF SHIPPING

Motohiro Tamura
Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturers 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)

KEI SYSTEM CO., LTD.

1-5 IKUNO-NISHI 1 CHOME

IKUNO-KU OSAKA

Japan 544-0024

Telephone: +81-6-6712-1151

Fax: +81-6-6712-1311

Email: info3@kei-system.co.jp

Web: www.kei-system.co.jp

Tier: 2 - PDA Issued

Product: Monitor, LCD Display Panel**Model:** KEI-15LCD, KEI-17LCD, KEI-19LCD, KEI-21LCD**Intended Service:**

Monitoring, alarm, data logging and valve control system for Vessels with ACC, ACCU or ABCU symbol

Description:

Type KEI-15LCD: 15"LCD Display Panel (AC100V)

Desk mount type

Type KEI-17LCD: 17"LCD Display Panel (AC100V)

Desk mount type

Type KEI-19LCD: 19"LCD Display Panel (AC100V)

Desk mount type

Type KEI-21LCD: 21"LCD Display Panel (AC100V)

Desk mount type

Rating:

Power: AC100V (50/60Hz)

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:

Test Report: Doc. No. ABS-1521LCD-504, dated 21 December 2006, Pages 30;

Specification: Doc. No. ABS-1521LCD-502, Pages 13;

Design and performance standards, codes and rules: Doc. No. ABS-1521LCD-503, Pages 7;

ABS Surveyor Report: KO776884 (13 December 2006)

Terms of Validity:

This Product Design Assessment (PDA) Certificate 17-YO1593451-PDA, dated 26/Jan/2017 remains valid until 25/Jan/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.

STANDARDS**ABS Rules:**

2017 Steel Vessel Rules 1-1-4/7.7, 1-1-A3 & A4, 4-9-8/13;

2017 Mobile Offshore Drilling Units Rules 1-1-4/9.7, 1-1-A2 & A3, 4-3-4/5;

KEI SYSTEM CO., LTD.

1-5 IKUNO-NISHI 1 CHOME

IKUNO-KU OSAKA

Japan 544-0024

Telephone: +81-6-6712-1151

Fax: +81-6-6712-1311

Email: info3@kei-system.co.jp

Web: www.kei-system.co.jp

Tier: 2 - PDA Issued

2017 Steel Vessels Under 90 Meters in Length 1-1-4/7.7, 1-1-A3 & A4, 4-7-2/9;
2017 Offshore Support Vessels 1-1-4/7.7, 1-1-A3 & A4, 4-9-8/13;
2017 High-Speed Craft 1-1-4/11.9, 1-1-A2 & A3, 4-7-9/15;

National:

NA

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

NA