



CERTIFICATE NUMBER	24-2502918-PDA
EFFECTIVE DATE	09-Feb-2024
EXPIRY DATE	08-Feb-2029
ABS TECHNICAL OFFICE	Yokohama Engineering Services

CERTIFICATE OF Product Design Assessment

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

KEI SYSTEM CO., LTD.

located at

**2-2-23, KISHINOSATO, NISHINARI-KU, , OSAKA-CITY, OSAKA,
Japan, 557-0041**

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-W21LCD, KEI-W24LCD, KEI-W27LCD
Endorsements:
Tier: 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 08/Feb/2029 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.

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 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 ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

KEI SYSTEM CO., LTD.

2-2-23, KISHINOSATO, NISHINARI-KU

OSAKA-CITY OSAKA

Japan 557-0041

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Fax:

Email: info3@kei-system.co.jp

Web: www.kei-system.co.jp

Tier: 2 - PDA Issued

Product: Monitor, LCD Display Panel
Model: KEI-W21LCD, KEI-W24LCD, KEI-W27LCD
Endorsements:

Intended Service:
Monitoring, alarm, data logging, and valve control system for Vessels with ACC, ACCU or ABCU Notation.

Description:
Type KEI-W21LCD: 21 inch LCD Monitor (AC100V/220V)
Desk mount type
Type KEI-W24LCD: 24 inch LCD Monitor (AC100V/220V)
Desk mount type
Type KEI-W27LCD: 27 inch LCD Monitor (AC100V/220V)
Desk mount type

Rating:
Rated Voltage: AC100V/220V (50/60 Hz)
Operating ambient temperature: 5-55°C

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:
(1) Specifications KEI-LCD Monitor for computer system (ABS Type Approval System), Dwg. No. ABS-KEI-WLCD-502A, Date: 19 September 2018,
(2) Design and performance standards, Code and rules, Dwg. No. ABS-KEI-WLCD-503, Date: 9 July 2018,
(3) KEI-LCD Monitor Products List, Dwg. No. ABS-KEI-WLCD-001, Receive Date: 18 September 2018,
(4) Test Procedure KEI-LCD Monitor for computer system (ABS Type Approval System), Dwg. No. ABS-KEI-WLCD-501, Date: 19 September 2018,
(5) Test report KEI-LCD Monitor for computer system (ABS Type Approval System), Dwg. No. ABS-KEI-WLCD-505, Date: 19 September 2018 issued by KEI SYSTEM Co., Ltd.,
(6) Test report KEI-LCD Monitor for computer system (ABS Type Approval System), Dwg. No. ABS-KEI-WLCD-506, Date: 10 December 2018 issued by KEI SYSTEM Co., Ltd.,
(7) TEST PROCEDURE KEI-64S Computer system, Dwg. No. CCS-KEI-64S-502A, Receive Date: 1 February 2024,
(8) TEST REPORT, Report No. A-405-20-A, Date: 16 April 2021 issued by Voluntary EMC Laboratory Accreditation Center Inc.

Terms of Validity:
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This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for

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STANDARDS

ABS Rules:

2024 Marine Vessel Rules 1A-1-4/7.7, 1A-1-A3 & A4 and 4-9-9/13,

2024 Mobile Offshore Units Rules 1B-1-4/9.7, 1B-1-A2 & A3 and 4-3-4/5

2024 High-Speed Craft 1C-1-4/11.9, 1C-1-A2 & A3 and 4-7-9/15

National:

NA

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

IACS UR E10 (Rev. 8 Feb. 2021, Corr. 1, Jan. 2022)