



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE FOR AUTOMATIC DEVICES AND EQUIPMENT

Certificate No. TA24500M

This is to certify that the undernoted product(s) has/have been approved in accordance with the requirements specified in Chapter 1, Part 7 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use” and the relevant Society's Rules.

This certificate is issued to

Manufacturer: **KEI SYSTEM Co., Ltd.**
Place of Manufacturing: **2-2-23, Kishinosato, Nishinari-ku, Osaka, 557-0041, Japan**
Product description: **KEI-WLCD Monitor for computer system**
Model: **KEI-W21LCD, KEI-W24LCD, KEI-W27LCD**
Approval No.: **19A014**
Valid until: **21 March 2029**

The details are described in the attached sheet(s).

Issued at Tokyo on 12 September 2024



S. Oishi
S. Oishi
General Manager
Machinery Department

Note: The manufacturer, if desired, is requested to apply to the Society for renewal prior to the expiration date.

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Attached sheet -1/2 to the Certificate No. TA24500M

Specification & documents:

1. Particulars: Power supply: AC 100V – 220V

2. Components and reference drawings:

Name Type	Type of KEI	Outline	Drawings
KEI-LCD Monitor	KEI-W21LCD	21 inch LCD Monitor (AC 100V/220V) Desk mount Type	KEI-W21LCD-101
	KEI-W24LCDE	24 inch LCD Monitor (AC 100V/220V) Desk mount Type	KEI-W24LCD-101
	KEI-W27LCD	27 inch LCD Monitor (AC 100V/220V) Desk mount Type	KEI-W27LCD-101

3. Documentation and Test Reports:

SPECIFICATIONS (NK-KEI-LCD-502)

SPECIFICATIONS (NK-KEI-LCD-502A)

KEI-LCD Monitor Manual (KEI-WLCD-701)

DESIGN AND PERFORMANCE STANDARDS, CODES AND RULES (NK-KEI-LCD-503)

TEST REPORT (LR-KEI-LCD-505)

TEST PROCEDURE (NK-KEI-WLCD-501)

TEST REPORT (A-405-20-A)

- To be continued -

Test items & approval conditions:

1. Test items:

(Applied testing items are marked with X.)

ENVIRONMENTAL TESTS (IACS UR E10 Rev.8 basis)		Mark
External examination		X
Operation test and performance test		X
Electric power supply failure test		X
Power supply fluctuation test	Electric	X
	Pneumatic and Hydraulic	--
Insulation resistance test		X
High voltage test		--
Pressure test (Pneumatic and Hydraulic)		--
Dry heat test (Temperature 55°C × 16 hours)		X
Damp heat test		X
Vibration test (Acceleration ±0.7g × 1.5 hours)		X
Inclination test		X
Cold test (Temperature 5°C × 16 hours)		X
Salt mist test		--
Electrostatic discharge immunity test		X
Radiated radio frequency immunity test		X
Conducted low frequency immunity test		X
Conducted high frequency immunity test		X
Burst / Fast transient immunity test		X
Surge immunity test		X
Radiated emission test		X
Conducted emission test		X
Flame retardant test		--

2. Approved condition:

The product is not allowed to be installed on open deck.

- The End -