



ABS

CERTIFICATE NUMBER

05-YO450410-PDA

DATE

05 April 2005

ABS TECHNICAL OFFICE

Yokohama

EXPIRE DATE

(Subject to the condition stated below)

04 April 2010

CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of
Kawai Electronic Innovation 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; and it will remain valid for five years from the date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Computer System

MODEL: KEI-3240
(See attachment)

ABS RULE: 2005 Steel Vessel Rules 4-9-6 and 4-9-7

OTHER STANDARD: Not Applicable

AMERICAN BUREAU OF SHIPPING

Shigeo Higuchi
Manager of Machinery Engineering

Design Assessment (DA) Certificate Attachment for Component Details

DA Certificate No: 05-YO450410-PDA
Issue Date: 05 April 2005
Expire Date: 04 April 2010
Company: Kawai Electronic Innovation System Co., Ltd.
Factory or Works:
Product/Equipment: Computer System
Model: KEI-3240

KEI's List of Equipment / Unit (Module) Type

Name	Type	Manufacturer	Outline
AGU IV HOST & GRAPHIC COMPUTER	KEI-3240A KEI-3240D	KEI system Co., Ltd	(AC100V) (DC+24V)
KEI-ILS ILS SYSTEM I/F MODULE	PC4-ILS	KEI system Co., Ltd	ILS I/F module
ARCNET I/F MODULE	PC4-ARC	KEI system Co., Ltd	ARCNET I/F module
KEI-ILS LOCAL	Power supply for LOCAL SVA24SA	ETA ELCTORIC INDUSTRY Co., Ltd.	OUT: +24V IN: AC100v
	SVA24SC24		OUT: +24V IN: DC24V
	Noise filter for power line MBW-12R5-22	DENSEI LAMBDA Co., Ltd.	AC100V/DC24V
ILS LOCAL UNIT (MODULE)	ILS-DI ILS-DV ILS-DO ILS-AII ILS-AVI ILS-PT ILS-VR4 ILS-BIO ILS-BVO ILS-REP	KEI system Co., Ltd	Contact input unit AC voltage input unit Contact output unit Current input unit Voltage input unit 3 wire Pt input unit Potentiometer input unit Current output unit Voltage output unit ILS line repeater unit
KEI-KEYBOARD	ENTRY-KEY32	KEI system Co., Ltd	32 KEY
KEI LCD PANEL DISPLAY	KEI-LCD10A KEI-LCD10D KEI-LCD12A KEI-LCD12D KEI-LCD15A KEI-LCD15D	KEI system Co., Ltd	10" LCD display (AC100V) 10" LCD display (DC+24V) 12" LCD display (AC100V) 12" LCD display (DC+24V) 15" LCD display (AC100V) 15" LCD display (DC+24V)