

## Type Approval Certificate Extension

*This is to certify that Certificate No. 01/10071 for the undernoted products is extended and renumbered as shown.*

This certificate is issued to:

<b>PRODUCER</b>	Kawai Electronic Innovation System Co.,Ltd.
<b>PLACE OF PRODUCTION</b>	1-1-5, Ikuno Nishi, Ikuno-ku, Osaka, 544-0024, Japan
<b>DESCRIPTION</b>	Graphic Unit for Computer System KEI GRAPHIC UNIT (AGU IV)
<b>TYPE</b>	KEI-3240A : 100V a.c. power supply KE-3240D : 24V d.c power supply
<b>APPLICATION</b>	Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 in "Bridge and Deck Zone" as defined in LR's Test Specification No. 1-2002.
<b>DESIGN CODE</b>	Manufacturer's specification No. LRS-TYP3240-512

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Asia of any modification or changes to the equipment in order to obtain a valid certificate."*

*The attached Design Appraisal Document No.01/10071(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 01/10071 to which this extension should be attached.

<b>Certificate No.</b>	01/10071(E1)
<b>Issue Date</b>	24 August 2004
<b>Expiry Date</b>	20 September 2006
<b>Sheet</b>	1 of 1



Y. Hara  
Yokohama Plan Approval Services  
Lloyd's Register Asia

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## Design Appraisal Document

Date	24 August 2004	Quote this reference on all future communications	YPA/T/YHA/TAO/46899(E01-48)
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**THE LR TYPE APPROVAL SYSTEM, 2002.**  
**Issued to: KAWAI ELECTRONIC INNOVATION SYSTEM CO.,LTD.**  
**for: GRAPHIC UNIT FOR COMPUTER SYSTEM**  
**TYPE APPROVAL CERTIFICATE No. 01/10071(E1)**

The undernoted documents have been reviewed for compliance with the requirements of the LR Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

**APPROVAL DOCUMENTATION**

Request Form dated 1 July 2004  
 Lloyd's Register's Approval Services- Request for Quotation, Form LR6606 dated 1 July 2004

Specification  
 KEI GRAPHIC UNIT (AGU IV) LRS-TYP3240-512  
 (KEI-3240)

**TEST REPORTS**

TEST REPORT for LR TYPE APPROVAL SYSTEM LRS-TYP3240-515  
 KEI GRAPHIC UNIT (AGU IV)  
 (KEI-3240)

TEST REPORT ABS-TYP1000-511

- Ditto - NK-TYP3240-510

**Supplementary Type Approval Terms and Conditions**

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING



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*Lloyd's Register Asia reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.*

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Engineering Services Group  
Yokohama Plan Approval Services  
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FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

Part 3

Control Units

Producer/Licence No.	Item Description	Technical Details	Category/Additional Tests	Remarks	Cert. No.
Kawai Electronic Innovation System Co. Ltd. 1-1-5, Ikuno Nishi, Ikuno-ku, Osaka, 544-0024 Japan	Graphic Unit for Computer System KEI GRAPHIC UNIT (AGU IV)  KEI-3240A: 100V a.c. power supply KEI-3240D: 24V d.c. power supply	Power supply 100V, 50/60Hz 24V d.c.  Interface Serial, CRT/LCD, ARCNET, FLASH DISK, ETHERNET, Keyboard&Mouse.	ENV1 ENV2 (2002) in "Bridge and Deck Zone"	Expire: 20 September 2006  See Specification NO. LRS-TYP3240-512	01/10071(E1)

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