

Type Approval Certificate Extension

This is to certify that Certificate No. 07/30010(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Digital Electronics Corporation 8-2-52, Nanko Higashi, Suminoe-ku, Osaka, 559-0031 Japan
PLACE OF PRODUCTION	Wuxi Pro-face Electronics Co., Ltd. No.20, Hanjiang Road, Wuxi New District, Wuxi, Jiangsu, 214028, P/R/China
DESCRIPTION	Graphic Panels
TYPE	ST & AGP Series, compromise;
	ST401-AG41-24V : Display 3.8" QVGA Graphic Panel, one RS232C
	ST403-AG41-24V : Display 3.8" QVGA Graphic Panel, one RS232C/422 port and one Ethernet 10 Base port
	AGP3300-L1-D24 : Display 5.7" QVGA Graphic Panel, one RS232C/422/485 Sub D9 port, one RS422/485 Sub D9 port, one USB port, one compact flash slot and one Ethernet 10/100 Base port with "-M": coated circuit board
	AGP3300-T1-D24 : Display 5.7" QVGA Graphic Panel, RS232/422/485 Sub D9 port, RS422/485 Sub D9 port, one USB port, one compact Flash slot and one Ethernet 10/100 Base port

Certificate No.	12/10041(E1)
Issue Date	24 April 2012
Expiry Date	23 April 2017
Sheet	1 of 4


T. Inokuchi
Kobe Office
Lloyd's Register

Lloyd's Register, registered office:
71 Fenchurch Street, London EC3M 4BS

"Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."

Type (Continued)	AGP3301-L1-D24 AGP3301-L1-D24-M	: Display 5.7" QVGA Graphic Panel, one RS232C/422/485 Sub D9 port, one RS422/485 Sub D9 port, one USB port and one compact flash slot with "-M": coated circuit board
	AGP3400-T1-D24	: Display 7.5" VGA Graphic Panel, RS232C/422/485, SubD9 port, RS422/485 SubD9 port, one USB port, one Compact Flash slot, one auxiliary interface and one Ethernet 10/100 Base port
	AGP3450-T1-D24	: Display 7.5" VGA Graphic Panel, RS232C/422/485 Sub D9 port, RS422/485 Sub D9 port, one USB port, one Compact Flash slot, one auxiliary interface, one Ethernet 10/100 Base port, one Camera and microphone inputs
	AGP3500-T1-D24	: Display 10.4" VGA Graphic Panel, RS232C/422/485 Sub D9 port, RS422/485 Sub D9 port, two USB port, one Compact Flash slot, one auxiliary interface and one Ethernet 10/100 Base port
	AGP3550-T1-D24	: Display 10.4" VGA Graphic Panel, RS232C/422/485 Sub D9 port, RS422/485 Sub D9 port, two USB port, one CompactFlash slot, one auxiliary interface, one Ethernet 10/100 Base port, one Camera and microphone inputs

Certificate No. 12/10041(E1)
 Issue Date 24 April 2012
 Expiry Date 23 April 2017
 Sheet 2 of 4



 T. Inokuchi
 Kobe Office
 Lloyd's Register

Lloyd's Register, registered office:
 71 Fenchurch Street, London EC3M 4BS

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Type (Continued)	AGP3600-T1-D24	: Display 12.1" SVGA Graphic Panel, RS232C/422/485 SubD9 port, RS422/485 Sub D9 port, two USB port, one Compact Flash slot, one auxiliary interface and one Ethernet 10/100 Base port
	AGP3650- T1-D24	: Display 12.1" SVGA Graphic Panel, RS232C/422/485 Sub D9 port, RS422/485 Sub D9 port, two USB port, one Compact Flash slot, one auxiliary interface, one Ethernet 10/100 Base port, one Camera and microphone inputs
	AGP3750- T1-D24	: Display 15" XGA Graphic Panel, RS232C/422/485 Sub D9 port, RS422/485 Sub D9 port, two USB port, one Compact Flash slot, one auxiliary interface, one Ethernet 10/100 Base port, one Camera and microphone inputs

APPLICATION	Marine applications for use in environmental categories ENV2 in the "General Power Distribution Zones" as defined in LR Type Approval System Test Specification No. 1-2002 where the Test Specification is satisfactory for the intended operation.
ADDITIONAL TEST	Ingress Protection: IP 65 (Front Panel) IP 20 (Rear Panel)
DESIGN CODE STANDARD	IACS E10 and IEC 61131-2 as far as tested according Test specification no. 1, 2002 ENV2
RATINGS	Voltage: 24Vdc
Certificate No.	12/10041(E1)
Issue Date	24 April 2012
Expiry Date	23 April 2017
Sheet	3 of 4


T. Inokuchi
 Kobe Office
 Lloyd's Register

*Lloyd's Register, registered office:
71 Fenchurch Street, London EC3M 4BS*

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

"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 of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No.12/10041(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 07/30010(E1) to which this extension should be attached.

Certificate No.	12/10041(E1)
Issue Date	24 April 2012
Expiry Date	23 April 2017
Sheet	4 of 4


T. Inokuchi
Kobe Office
Lloyd's Register

*Lloyd's Register, registered office:
71 Fenchurch Street, London EC3M 4BS*

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.