



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. A-12431
This Certificate consists of 4 pages

This is to certify that the
Peripheral Equipment
with type designations
ST401/403-AG41-24V,
AGP3300/3301/3302/3400/3450/3500/3600/3750-T1-D24 Graphic
Panels

Manufactured by
DIGITAL ELECTRONICS CORPORATION
8-2-52 Nankohigashi, Suminoe-Ku, Osaka, Japan

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det
Norske Veritas' Offshore Standards

Application
Location classes:

Temperature	A
Humidity	A
Vibration	A
EMC	A/B*
Enclosure	Required protection according to the Rules to be provided upon installation on board

*EMC Class B only for ST401/403 when installed in metallic cabinet and power supply filtering arranged

Place and date
Busan, 2011-07-01

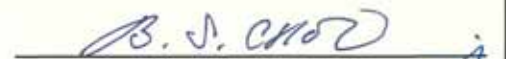
for DET NORSKE VERITAS AS


Svein Helge Juell
Head of Section



Local Office
Kobe

This Certificate is valid until
2015-12-31


Baeg Soon Choi
Surveyor

Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



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File No.: 899.60
Job ID: 262.1-012020-1

Product description

Touchscreen Graphic Terminals with type designations:

ST401-AG41-24V	AGP3301-S1-D24	AGP3500-T1-D24
ST403-AG41-24V	AGP3301-L1-D24	AGP3600-T1-D24
AGP3300-T1-D24	AGP3302-B1-D24	AGP3750-T1-D24
AGP3300-S1-D24	AGP3400-T1-D24	
AGP3300-L1-D24	AGP3450-T1-D24	

Application/Limitation

Products have been tested up to 20% nominal voltage variation as for equipment not connected to the battery during charging.

Place of manufacture

Wuxi Pro-face Electronics Co., Ltd.
20 Hanjiang Road
National Hi-tech Industrial development Zone,
Wuxi, Jiangsu, 214028
P. R. CHINA

Digital Electronics Corporation
2-6-1 Ayumino, Izumi, Osaka
594-1157 JAPAN

Approval conditions

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV Rules for Ships Pt.4 Ch.9 Control and Monitoring Systems.

Type Approval documentation

Drawings	Test reports	Date
- GP3000.pdf (Catalog)		2009-02
- AGP35_36_3700-MT03E-BTH.pdf (Installation manual)		2007-05
- AGP3300_3400-MT02E-BTH.pdf (Installation manual)		2007-07



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Drawings	Test reports	Date
- agp3300.pdf (User's manual)		2005
	Environmental Validation Plan No: 35 011 157 P05 000 01	05-06-31
	0510S01C	05-12-31
	0510S02C	05-12-31
	0510S03C	05-12-31
0374Q-EN_Ver5.0.fm/3	0510S01V	05-09-29
36347-EN_Ver4.1.fm/2	0510S02V	05-09-29
36347-EN_Ver4.1.fm/3	0510S04V+R0510281C2-E	05-12-31, 05-12-06
36348-EN_Ver4.0.fm/2	0510S05V	06-02-21
36348-EN_Ver4.0.fm/3	0510S06V	06-02-21
36348-EN_Ver4.0.fm/4	0510S07V	05-12-12
36348-EN_Ver4.0.fm/5	0510S08V	05-11-30
36348-EN_Ver4.0.fm/6	0510S09V+R0510281C1-E	05-12-31, 05-12-06
36348-EN_Ver4.0.fm/7	0510S10V	05-12-31
	0510S11V	05-12-31
	0510S12V	06-08-02
	0510S14V	06-08-02
	0510S15V	06-08-02
	0510S16V	06-08-02
	0510S17V	06-10-31
	0510S18V	06-11-03
	0510S19V	05-12-31
36356-EN_Ver3.1.fm/2	2006-0412-00	06-07-25
36356-EN_Ver3.1.fm/3	2006-0412-01	06-07-25
36356-EN_Ver3.1.fm/4	2006-0412-02	06-07-25
36356-EN_Ver3.1.fm/5	2006-0412-03	06-07-25
36356-EN_Ver3.1.fm/6	2006-0412-04	06-17-25
36356-EN_Ver3.1.fm/7	2006-0412-05	06-17-25
36356-EN_Ver3.1.fm/7	2006-134-01A	06-08-24
	2006-134-02A	06-08-24
	2006-134-03A	06-08-24
	2006-134-04A	06-08-24
	2006-134-05A	06-11-10
	2006-134-06A	06-11-10
	2006-134-07A	06-11-10
	2006-134-08A	06-11-10
	200604-3056C-R1E	06-07-10
	200604-3056C-R2E	06-07-10
	200604-3056C-R3E	06-07-10
	200604-3056C-R4E	06-07-10
		07-02-20
		06-11-29
		2003-12-21



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Drawings	Test reports	Date
35015283		2007-01-29
35011361_P07_999		2005-10-20
04DD-3PT00163-1		2006-01-27
05DD-3PE00306B-1		2005-07-12
05DD-3PE00305B-5		
05DD-3PE00339B-3		
05DD-3PE00313A-1		

Certificate retention survey report for A-10551, DNV Rotterdam 2009-04-06

Tests carried out

Applicable tests according to Standard for Certification No. 2.4, April 2006.

Certificate retention survey

The scope of the retention/renewal survey is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the survey are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Retention survey is to be performed at least every second year and at renewal of this certificate.

END OF CERTIFICATE