DNV·GL

Certificate No:
TAA00000D0

TYPE EXAMINATION CERTIFICATE

This is to certify:

That the General

with type designation(s)
AlphaTouchPad

Issued to
Alphatron Marine B.V.
Rotterdam, Netherlands

is found to comply with
DNV GL rules for classification – Ships

Application :

See page 2.

Temperature	**D**
Humidity	**B**
Vibration	**A**
EMC	**B**
Enclosure	**C - For panel mount in IP56 enclosure.**

Issued at **Høvik** on **2016-04-27**

This Certificate is valid until **2021-04-26**.

for **DNV GL**

DNV GL local station: **Rotterdam, Product Certification /Verification**

Approval Engineer: **Frederik Tore Elter**

Jan Tore Grimsrud
Head of Section

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 Examination Certificate and not to the approval of equipment/systems installed.

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Job Id: **262.1-019837-1**
Certificate No: **TAA00000D0**

Product description

Toutchpad with USB interface.

Type Designation	Part number	Location
AlphaTouchPad	3402.0290 (Black) 3402.0288 (Gray)	Exposed

Application/Limitation

- AlphaTouchPad is to be installed in accordance with makers documentation.
- To be in accordance to certification the AlphaTouchPad is to be installed in enclosure spesified by manufacturer.
- This certificate covers hardware, environmental and EMC approval of listed components. When applicable see to separate certification for specific display applications, functions and interfaces.

Type Examination documentation

Tests carried out

- Environmental testing: IEC60945(2002)
- Environmental testing: DNV 2.4 - Environmental test specification for instrumentation and automation equipment

Marking of product

The Manufacturer and Type Designation to be applied to the equipment in a clearly visible location. In addition the equipment shall be marked with serial number, safe distance to magnetic compass, power consumption and/or supply voltage.

Certificate Retention Survey

A retention survey is to be performed at least once every second year, and again upon renewal of this certificate.
The scope of the retention/renewal survey is to verify that the production quality conditions stipulated for the type approval are complied with and that no alterations are made to the product design or its components and/or materials without appraisal by the Society.