DNV·GL

Certificate No:
TAA00000U5

TYPE EXAMINATION CERTIFICATE

This is to certify:

That the Bridge instrumentation

with type designation(s)
WMT 700 SERIES ULTRASONIC WIND SENSORS WMT701, WMT702, WMT703 and WMT704

Issued to
VAISALA OYJ
Vantaa, Finland

is found to comply with
IEC 60945 Ed. 4 (2002-08) Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results

Application :

See page 2.

Issued at **Høvik** on **2016-10-18**

for **DNV GL**

This Certificate is valid until **2021-10-13**.
DNV GL local station: **Helsinki**

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.

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Job Id: **262.1-012511-2**
Certificate No: **TAA00000U5**

Product description

WMT700 series of Ultrasonic Wind Sensors consist of the following product types with different measurement ranges:

Type	Measurement range
WMT701:	<40 m/S
WMT702:	<65 m/s
WMT703:	<75 m/s
WMT704:	<90 m/s

Application/Limitation

Installation to be performed according to the manufactures Product Manual.

Type Approval documentation

DNV GL No	Drawing No	Title
35	M211095EN-G	MANUAL: WMT700 User Guide
24	100452A-EMC	REPORT: Intertek, Radiated Emission, 150kHz-30MHz
23	TR220888-B	REPORT: Vaisala, Conducted Emission
17	TR220581	REPORT: Vaisala, EMC tests
16	TR220869	REPORT: Vaisala, Power Supply Failure/Excessive Power Supply conditions
15	TR220580	REPORT: Vaisala, Salt Mist
14	TR220514	REPORT: Vaisala, IP tests 2
13	TR220540	REPORT: Vaisala, IP tests 1
12	TR220539	REPORT: Vaisala, Vibration test 2
11	TR220584	REPORT: Vaisala, Vibration test 1
10	TR220578	REPORT: Vaisala, Drop tests
9	TR220577	REPORT: Vaisala, Change og temperature
8	TR220879	REPORT: Vaisala, Cold tests 2
7	TR220573	REPORT: Vaisala, Cold tests 1
6	TR220576	REPORT: Vaisala, Damp Heat tests 2
5	TR220575	REPORT: Vaisala, Damp Heat tests 1
4	TR220878	REPORT: Vaisala, Dry Heat tests 2
3	TR220574	REPORT: Vaisala, Dry Heat tests 1

Tests carried out

Environmental testing: IEC 60945 (2002)

Marking of product

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

Periodical assessment

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