

TYPE APPROVAL CERTIFICATE

Certificate No:
TAA00000U5
Revision No:
1

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 **2022-02-10**

This Certificate is valid until **2027-02-09** .

DNV local unit: **Helsinki FIS**

for **DNV**

Approval Engineer: **Frederik Tore Elter**

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Trond Sjøvåg
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 Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



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.
- In addition to IEC 60945 testing compliance WMT 700 is tested in accordance with EMC Radiated Emissions test 1-6GHz in accordance with DNVGL-CG-0339 (2019), Section 14.11.

Type Approval documentation

DNV No.	Document No.	Title
37	EUFI29-21000332-T35	REPORT: EMC Test Report, WMT700 - Radiated emission test CISPR 16-2-3:2016+A1:2019, DNV-CG-0339 (Edition August 2021)
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 of 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) (incl. IEC 60945 Corr. 1:2008)

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.



Job Id: **262.1-012511-3**
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Periodical assessment

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

The scope of the periodical/renewal assessment 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.

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnvgl.com>

END OF CERTIFICATE