



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAA00000VF**  
Revision No:  
**2**

## This is to certify:

That the **Bridge instrumentation**

with type designation(s)  
**Weather Transmitter WXT530 Series**

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 :

**Weather Transmitter WXT530 Series for Precipitation, Pressure, Temperature, Humidity, Wind Speed, Wind Direction, according to model, see page 2.**

Issued at **Høvik** on **2022-03-16**

for **DNV**

This Certificate is valid until **2027-03-15** .

DNV local unit: **Helsinki FIS**

Approval Engineer: **Frederik Tore Elter**

**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

WXT530 Weather Sensor series, consisting of following versions:

Model	Description	Location
WXT531	Precipitation	Exposed
WXT532	Wind speed, Wind Direction	Exposed
WXT533	Precipitation, Wind speed, Wind Direction	Exposed
WXT534	Pressure, Temperature, Humidity	Exposed
WXT535	Precipitation, Pressure, Temperature, Humidity	Exposed
WXT536	Precipitation, Pressure, Temperature, Humidity, Wind speed, Wind Direction	Exposed

## Application/Limitation

- Weather Transmitter WXT530 Series are to be installed in accordance to documented installation requirements.

## Type Examination documentation

DNV No	Title	Drw No	Rev
79	Report: Vaisala, WXT536 Cold storage test - PTUMODULE variant	TR222314	A
78	Report: Vaisala, WXT536 Cyclic Corrosion - PTUMODULE variant	TR222315	A
77	Report: Vaisala, WXT536 Cold Temperature test - PTUMODULE variant	TR222312	A
75	Report: Vaisala, WXT536 Damp heat - PTUMODULE variant	TR222317	A
74	Report: Vaisala, WXT536 Dry heat - PTUMODULE variant	TR222318	A
73	Report: Vaisala, WXT536 damp heat cyclic - PTUMODULE variant	TR222316	A
69	Report: Vaisala EMC Test report WXT536 - PTUMODULE variant	R22167	B
68	Report: Vaisala, Vibration WXT536 - PTUMODULE variant	TR222320	A
53	Manual: User Guide Vaisala Weather Transmitter WXT530 Series	M211840EN	D
52	Report: WXT536 Ingress Protection IP66	TR221759	3.1
51	Report: WXT533 Ingress Protection IP66	TR221758	3.1
38	Report: WXT536 Cyclic Corrosion VDA 621-415	TR221777	
37	Report: WXT533 Cyclic Corrosion VDA 621-415	TR221776	
36	Report: WXT536 Damp Heat Cyclic IEC60068-2-30	TR221773	
35	Report: WXT533 Damp Heat Cyclic IEC60068-2-30	TR221772	
30	Report: WXT536 Sinusoidal Vibration IEC60068-2-6	TR221767	
29	Report: WXT533 Sinusoidal Vibration IEC60068-2-6	TR221766	
28	Report: WXT536 Dry Heat IEC60068-2-2	TR221765	
27	Report: WXT533 Dry Heat IEC60068-2-2	TR221764	
26	Report: WXT536 Cold IEC60068-2-1	TR221763	
25	Report: WXT533 Cold IEC60068-2-1	TR221762	
2	Report: WXT536 EMC Test Report - Marine	TR221675	A

DNV No	Title	Drw No	Rev
1	Report: WXT536 EMC 150k-30MHz EMI - DNV 2.4	TR221634	1

### Tests carried out

Environmental testing: IEC 60945 (2002) (inc. corr. 1, 2008)

### 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

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>