



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx VTT 09.0002X** issue No.:0

[Certificate hist](#)

Status: **Current**

Date of Issue: **2009-06-10** Page 1 of 3

Applicant: **Vaisala Oyj**
Vanha Nurmijärventie 21
FI-01670 Vantaa
Finland

Electrical Apparatus: **Humidity and temperature transmitter type HMT360**
Optional accessory:

Type of Protection: **Intrinsic safety**

Marking: **Ex ia IIC T4**

Approved for issue on behalf of the IECEx
Certification Body:

Risto Sulonen

Position:

Team Leader

Signature:
(for printed version)

Date:

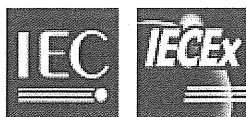
10.6.2009

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

VTT Technical Research Centre of Finland
Otakaari 7 B, Espoo
P.O.Box 1000
FI-02044 VTT
Finland





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Manufacturer: **Vaisala Oyj**
Vanha Nurmijärventie 21
FI-01670 Vantaa
Finland

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

FI/VTT/ExTR09.0002/00

Quality Assessment Report:

FI/VTT/QAR09.0001/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The humidity and temperature transmitter, type HMT 360, for the measurement of temperature and humidity with the following associated sensor heads:

HMP361 wall-mounting probe

HMP362 probe can be used in conjunction with sampling cells

HMP363 probe for restricted space

HMP364 probe for low and high pressure

HMP365 probe for elevated temperature

HMP367 probe for high moisture applications

HMP368 probe for pressure pipes or liquids

Electrical data (maximum values per channel):

$U_i = 28 \text{ V}$

$i_i = 100 \text{ mA}$

$P_i = 700 \text{ mW}$

$C_i = 1 \text{ nF}$

L_i negligibly low

CONDITIONS OF CERTIFICATION: YES as shown below:

- 1) The equipment with display window and/or with associated cable of the sensor head can be used in Zone 0 Group IIC areas only if the danger of ignition due to electrostatic charge is avoided.
- 2) With the installation of the equipment in Zone 0 Group II area it has to be ensured that sparks due impact or friction do not occur.
- 3) The serial interface must only be used outside the explosion hazardous area. The associated serial interface cable 25905ZZ is to be used