



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.:	IECEX KEM 10.0033X	Page 1 of 4	<u>Certificate history:</u> Issue 2 (2015-06-24) Issue 1 (2013-10-14) Issue 0 (2010-04-08)
Status:	Current	Issue No: 3	
Date of Issue:	2019-11-18		
Applicant:	Vaisala Oyj Vanha Nurmijärventie 21, 01670 Vantaa Finland		
Equipment:	Process Refractometer Series PR-23		
Optional accessory:			
Type of Protection:	Ex nA		
Marking:	Ex nA IIC T4 Gc		

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:

2019-11-18

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 www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Manufacturer: **Vaisala Oyj**
Vanha Nurmijärventie 21, 01670 Vantaa
Finland

Additional
manufacturing
locations:

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 equipment 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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-15:2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

This Certificate **does not** indicate compliance with 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 Reports:

[NL/KEM/ExTR10.0025/00](#)
[NL/KEM/ExTR10.0025/03](#)

[NL/KEM/ExTR10.0025/01](#)

[NL/KEM/ExTR10.0025/02](#)

Quality Assessment Report:

[FI/EESF/QAR19.0011/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Process Refractometer Series PR-23-XX is used for inline measuring of a liquid concentration. The measurement is based on the refraction of light in the process medium.

* XX substitutes AC, AP, GC, GP, MS, SD, RP, M or W.

The enclosure provides a degree of protection of at least IP54 according to IEC 60529.

Ambient temperature range: -20 °C to +65 °C

Maximum process temperature: 150 °C

Electrical Data:

Supply: 24 Vdc, max. 60 mA.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
- change of the name and address of the applicant and manufacturer