



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 TUN 14.0004X

Issue No: 1

Certificate history:

Status: Current

Issue No. 1 (2018-09-25)

Issue No. 0 (2014-02-18)

Date of Issue: 2018-09-25

Page 1 of 4

Applicant: VEGA Grieshaber KG
Am Hohenstein 113, 77761 Schiltach
Germany

Equipment: Signal conditioning instrument VEGATOR TOR111. **X/S****, VEGATOR TOR112.

Optional accessory:

Type of Protection: Intrinsic safety and type of protection n

Marking:

Ex nA nC Ic [Ia Ga] [Ia IIC Da] [Ia I Ma] IIC T4 Gc

or

[Ex Ia Ga] IIC [Ex Ia Da] IIC [Ex Ia Ma] I

Approved for issue on behalf of the IECEx
Certification Body:

Christian Roder

Position:

Head of IECEx Certification Body

Signature:
(for printed version)

Date:

2018-09-25

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:

TÜV NORD CERT GmbH
Hanover Office
Am TÜV 1, 30519 Hannover
Germany





IECEX Certificate of Conformity

Certificate No: IECEx TUN 14.0004X Issue No: 1
Date of Issue: 2018-09-25 Page 2 of 4
Manufacturer: VEGA Grieshaber KG
Am Hohenstein 113, 77761 Schiltach
Germany

Additional Manufacturing location(s):

VEGA Americas
4241 Allendorf Drive
Cincinnati, Ohio 45209
United States of America

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 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
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 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:

[DE/TUN/ExTR14.0005/01](#)

Quality Assessment Report:

[DE/TUN/QAR06.0002/08](#)



IECEx Certificate of Conformity

Certificate No: IECEx TUN 14.0004X

Issue No: 1

Date of Issue: 2018-09-25

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The signal conditioning instruments type

VEGATOR TOR111. IAX**** VEGATOR TOR111. IAS****

VEGATOR TOR112. IA****

and

VEGATOR TOR111. IC/O/UX**** VEGATOR TOR111. IC/O/US****

VEGATOR TOR112. IC/O/U****

are used for the supply of passive, intrinsically safe 1.2 mA/2.1 mA two wire NAMUR measuring sensors, the safe galvanic separation of the intrinsically safe circuits from all non-intrinsically safe circuits and the evaluation of the analogue transmitted measuring data.

The permissible ambient temperature range is -20 °C ... +60 °C.

For all other data see attachment.

SPECIFIC CONDITIONS OF USE: YES as shown below:

According to EN/IEC 60079-15, section 6.3.1, the following is valid for this apparatus:

a) The apparatus has to be mounted in a housing tested according to IEC 60079-0, that meets the requirements of degree of protection IP54.

or

b) The apparatus has to be mounted in a housing tested according to IEC 60079-0, that meets the requirements of degree of protection IP4X. Then, the apparatus may exclusively be mounted in locations providing adequate protection against the entry of solid foreign objects or liquids.

The apparatus may be installed in an area of not more than pollution degree 2.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1

1. The marking of the apparatus was changed
2. Some minor electrical and mechanical details were changed (both not affecting the explosion protection).

All other details remain unchanged.

Annex:

[_Attachment_VEGATOR111_112 IC_IA_IECEx TUN 14.0004 X Issue 1.pdf](#)



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Certificate No.: issue No.: Certificate history:

Status:

Date of Issue: **2014-02-18** Page 1 of 3

Applicant: **VEGA Grieshaber KG**
Am Hohenstein 113, 77761 Schiltach
Germany

Electrical Apparatus: **Signal conditioning instrument VEGATOR TOR111. **X/S****, VEGATOR TOR112. *******
Optional accessory:

Type of Protection: **Intrinsic safety and type of protection n**

Marking: **[Ex ia Ga] IIC**
[Ex ia Da] IIIC
[Ex ia Ma] I
Ex nA nC ic IIC T4 Gc

Approved for issue on behalf of the IECEx: **Andreas Meyer**
Certification Body:

Position: **Head of IECEx Certification Body**

Signature:
(for printed version)

Date:



2014-02-18

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Certificate issued by:

TÜV NORD CERT GmbH
Hanover Office
Am TÜV 1
30519 Hannover
Germany





IECEx Certificate of Conformity

Certificate No.: IECEx TUN 14.0004X

Date of Issue: 2014-02-18

Issue No.: 0

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Manufacturer: **VEGA Grieshaber KG**
Am Hohenstein 113, 77761 Schiltach
Germany

Additional Manufacturing location
(s):

VEGA Americas
4241 Allendorf Drive
Cincinnati, Ohio 45209
United States of America

VEGA Grieshaber KG
Am Hohenstein 113
77761 Schiltach
Germany

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IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
IEC 60079-15 : 2010 Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

*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:

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Test Report:
DE/TUN/ExTR14.0005/00

Quality Assessment Report:
DE/TUN/QAR06.0002/05



IECEX Certificate of Conformity

Certificate No.: IECEX TUN 14.0004X

Date of Issue: 2014-02-18

Issue No.: 0

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

See annexe

CONDITIONS OF CERTIFICATION: YES as shown below:

See annexe

Annex: _Annexe_COC_VEGATOR111_112 IC_IA_.pdf

