



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.: issue No.: [Certificate history:](#)

Status:

Date of Issue: **2018-01-26** Page 1 of 3

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


Equipment: **Differential pressure measuring device VEGADIF DF85(*)**. *E/*****Z/H/A/U/P/F*****
Optional accessory:

Type of Protection: **Flameproof enclosure "d", Intrinsic safety "i"**

Marking: **Ex ia/db IIC T6...T1 Ga/Gb**
Ex db ia IIC T6...T1 Gb

Approved for issue on behalf of the IECEx Certification Body: **Christian Roder**

Position: **Head of IECEx Certification Body**

Signature: 
(for printed version)

Date: 2018-01-26

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 17.0026X

Date of Issue: 2018-01-26

Issue No.: 0

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

Additional Manufacturing location(s):

VEGA Americas, Inc
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 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition: 7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2011 Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
IEC 60079-26 : 2014-10 Edition: 3.0	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:
[DE/TUN/EXTR17.0030/00](#)

Quality Assessment Report:

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



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The differential pressure measuring devices type VEGADIF DF85(*).*E/*****Z/H/A/U/P/F***** are used for differential pressure measurement of liquids and gases.

The Differential pressure measuring devices type VEGADIF DF85(*).*E/*****Z/H/A/U/P/F***** consist of an electronics housing, a differential pressure measuring element and the process connections. Optionally, also the indication and operation module may be installed.

The following electronic versions are available:

VEGADIF DF85(*).*E/*****Z*****: 2 wire 4 ... 20 mA transmitters

VEGADIF DF85(*).*E/*****H*****: 2 wire 4 ... 20 mA transmitters with superposed HART signal

VEGADIF DF85(*).*E/*****A*****: 2 wire 4 ... 20 mA transmitters with superposed HART signal and additional SIL qualification

VEGADIF DF85(*).*E/*****U*****: With electronics for MODBUS

VEGADIF DF85(*).*E/*****P*****: With electronics for Profibus PA

VEGADIF DF85(*).*E/*****F*****: With electronics for Foundation Fieldbus

See attachment for further details.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. For use as Ga/Gb-apparatus: For functional reasons, the partition wall (membrane) to the wetted area has a wall thickness <1 mm. In the application, it has to be ensured, that an impairment of the separation wall e.g. by aggressive media or mechanical hazards is excluded.

For variants with standard process connections: The installation of the meter bodies shall provide as a minimum degree of protection IP67 according to IEC 60529 for the process connections and vents.

For variants with capillary connections: The capillary connections are designed to be connected to a capillary with diaphragm seal. The filling holes are intended to bring in a fill fluid. To prevent a zone entrainment from Zone 0, the diaphragm seal resp. the diaphragm seal and capillary have to be suitably designed. The pressure transfer system has to be technically tight. The filling hole has to be tightly sealed.

2. At the plastic parts there is a danger of ignition by electrostatic discharge.

Observe manual of the manufacturer and warning label.

3. At the metallic parts made of light metal there is a danger of ignition by impact or friction. Observe manual of the manufacturer.

Annex: [_Attachment_VEGADIF 85_TUN 17.0026X.docx.pdf](#)

