



# 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](http://www.iecex.com)

Certificate No.: **IECEX TUN 17.0007X** issue No.: **0** Certificate history:

Status: **Current**

Date of Issue: **2017-03-23** Page 1 of 3

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

Equipment: **Differential pressure measuring device type VEGADIF DF85**

Optional accessory:

(\*) \*R/H/J\*\*\*\*\*Z/H/A/U/P/F\*\*\*\*\*

Type of Protection: **Intrinsic safety "i", equipment dust ignition protection by enclosure "t"**

Marking: **Ex ia ta, ia/tb, ia/tc, ia tb III C T135 °C Da, Da/Db, Da/Dc, Db**

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

Position: **Head of Certification Body**

Signature:  
(for printed version)

Date:

  
2017-03-23

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](http://www.iecex.com).

Certificate issued by:

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





# IECEx Certificate of Conformity

Certificate No.: IECEx TUN 17.0007X

Date of Issue: 2017-03-23

Issue No.: 0

Page 2 of 3

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:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-31 : 2013</b> Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*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/ExTR17.0006/00

Quality Assessment Report:

DE/TUN/QAR06.0002/07



# IECEx Certificate of Conformity

Certificate No.: IECEx TUN 17.0007X

Date of Issue: 2017-03-23

Issue No.: 0

Page 3 of 3

## Schedule

### EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The differential pressure measuring devices type VEGADIF DF85 (\*). \*R/H/J\*\*\*\*Z/H/A/U/P/F\*\*\*\*\* are used for differential pressure measurement in dust explosion hazardous areas. The Differential pressure measuring devices type VEGADIF DF85(\*). \*R/H/J\*\*\*\*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(\*). \*R/H/J\*\*\*\*Z\*\*\*\*\*: 2 wire 4 ... 20 mA transmitters

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

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

VEGADIF DF85(\*). \*R/H/J\*\*\*\*U\*\*\*\*\*: With electronics for MODBUS

VEGADIF DF85(\*). \*R/H/J\*\*\*\*P\*\*\*\*\*: With electronics for Profibus PA

VEGADIF DF85(\*). \*R/H/J\*\*\*\*F\*\*\*\*\*: With electronics for Foundation Fieldbus

SPECIFIC CONDITIONS OF USE: YES as shown below:

See attachment

