



# 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 DEK 11.0052X Issue No: 1 Certificate history:  
Issue No. 1 (2016-05-13)  
Status: **Current** Page 1 of 4 Issue No. 0 (2011-05-04)  
Date of Issue: **2016-05-13**  
Applicant: **Heinrichs Messtechnik GmbH**  
Robert-Perthel-Straße 9  
D-50739 Köln  
Germany  
Electrical Apparatus: **Vortex Flow Meter Series DVH and DVE**  
Optional accessory:  
Type of Protection: **Ex d, Ex tb**  
Marking: Ex d IIB + H2 T6 Gb  
Ex tb IIIB T85 °C Db

Approved for issue on behalf of the IECEx  
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:  
(for printed version)

  
2016-05-13

Date:

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:

**DEKRA Certification B.V.**  
Meander 1051,  
6825 MJ Arnhem  
The Netherlands





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Certificate No: IECEx DEK 11.0052X Issue No: 1  
Date of Issue: 2016-05-13 Page 2 of 4  
Manufacturer: **Heinrichs Messtechnik GmbH**  
Robert-Perthel-Straße 9  
D-50739 Köln  
Germany

Additional 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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<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:

[NL/DEK/ExTR11.0055/01](#)

Quality Assessment Report:

[DE/BVS/QAR11.0001/03](#)



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Certificate No: IECEX DEK 11.0052X

Issue No: 1

Date of Issue: 2016-05-13

Page 3 of 4

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Multi-Parameter Vortex Mass Flow Meter Series DVH and DVE. Vortex Flow Meters measure the 5 parameters mass flow, volumetric flow, temperature, pressure and fluid density.

Ambient temperature range -40 °C to +60 °C.

Supply voltage: 18 to 36 Vdc or 100 to 240 Vac.

Analog output: 4 to 20 mA.

Supply voltage pulse output: 5 to 36 Vdc.

### CONDITIONS OF CERTIFICATION: YES as shown below.

Clean with a damp cloth only to avoid build-up of electrostatic charge.



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Certificate No: IECEX DEK 11.0052X

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Date of Issue: 2016-05-13

Page 4 of 4

**DETAILS OF CERTIFICATE CHANGES (for Issues 1 and above):**

Assessment according to newer editions of the standards