

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **DEKRA 11ATEX0140 X** Issue Number: **2**

(4) Product: **Multi-Parameter Vortex Mass Flow Meter, Series DVH / DVE**

(5) Manufacturer: **Heinrichs Messtechnik GmbH**

(6) Address: **Robert-Perthel-Strasse 9, D-50739 Köln, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK/ExTR11.0055/01.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2012 + A11

EN 60079-1 : 2007

EN 60079-31 : 2014

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



II 2 G Ex d IIB + H₂ T6 Gb
II 2 D Ex tb IIIB T85 °C Db

Date of certification: 13 May 2016

DEKRA Certification B.V.

R. Schuller
Certification Manager

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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 11ATEX0140 X**

Issue No. 2

(15) **Description**

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

The enclosure provides a ingress protection class IP6X in accordance with EN 60079-0.

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

Electrical data

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

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR11.0055/01.

(17) **Specific conditions of use**

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

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR11.0055/01.

(20) **Certificate history**

Issue 1 - 214384800	initial certificate
Issue 2 - 219286200	Assessment according to newer editions of the standards