

CERTIFICATE

DEKRA

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(1) Type Examination

(2) Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU

(3) Type Examination Certificate Number: **KEMA 10ATEX0111X** Issue Number: **11**

(4) Product: **Digital Mass Flow Meters/Controllers Type IN-FLOW Series, IN-FLOW CTA Series, Digital Electronic Pressure Transducers/Controllers Type IN-PRESS Series, Compact Coriolis Mass Flow Meters/Controllers Type CORI-FLOW M5x Series and mini CORI-FLOW M1x Series**

(5) Manufacturer: **Bronkhorst High-Tech B.V.**

(6) Address: **Nijverheidsstraat 1a, 7261 AK Ruurlo
The Netherlands**

(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., 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 Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report mentioned in item (16).

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

EN IEC 60079-0 : 2018

EN 60079-7 : 2015 + A1 : 2018

EN 60079-31 : 2014

except in respect of those requirements listed at item 18 of the Schedule.

(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 Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

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



II 3 G Ex ec IIC T4 Gc and
II 3 D Ex tc IIIC T70 °C Dc or
II 3 G Ex ec IIC T4 Gc (F-x4x...)

Date of certification: **28 November 2025**

DEKRA Certification B.V.

A handwritten signature in blue ink, appearing to read 'R. Schuller'.

R. Schuller
Certification Manager

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Throughout this document, a point is used as the decimal separator.

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(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 10ATEX0111X** Issue No. 11

(15) **Description**
The Digital Mass Flow Meters/Controllers Type IN-FLOW Series and IN-FLOW CTA Series, convert a gas flow into an electrical signal using a thermal mass flow sensor.
The Digital Electronic Pressure Transducers/Controllers Type IN-PRESS Series, convert a gas pressure or a liquid pressure into an electrical signal using a pressure transducer.
The Coriolis Mass Flow Meters/Controllers Type CORI-FLOW M5x Series and mini CORI-FLOW M1x Series convert a liquid flow or a gas flow into an electrical signal using a Coriolis mass flow sensor.
In addition, instruments executed as controller, are equipped with an electromechanical valve that allows them to control the gas flow, pressure, or liquid flow. The valves can either be integrally or separately mounted, as an option.
Controller function in combination with fixed and electrical connected actuated valves with coils IIU / ITU / IUU / IVU / IIW / XC.

Ambient temperature range: 0 to +50 °C.

The enclosure provides a degree of protection of at least IP65 according to EN IEC 60079-0.

The type code of the instruments shall be taken from Annex 1 to test report mentioned in item (16).

Electrical data

The electrical data shall be taken from Annex 1 to test report mentioned in item (16).

Installation instructions

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

(16) **Report Number**
213510500-2 Issue 11.

(17) **Specific conditions of use**
The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.

(18) **Essential Health and Safety Requirements**
Covered by the standards listed at item (9).

(19) **Test documentation**
As listed in test report mentioned in item (16).