# 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 25ATEX0070X** Issue Number: **0**

(4) Product: **EX-FLOW X200 Mass Flow Meter / Controller**

**Type FE-1…X-… and FE-2…X-…**

(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., 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 mentioned in item 16.

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

**EN IEC 60079-0 : 2018 + A11** **EN 60079-11 : 2012** **EN IEC 60079-11 : 2024**

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 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 ib IIC T4 Gb**

Date of certification: 1 October 2026

DEKRA Certification B.V.

R. Schuller
Certification Manager



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

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(13) # SCHEDULE

(14) **to EU-Type Examination Certificate DEKRA 25ATEX0070X** Issue No. **0**

(15) **Description**

The X200 measuring head is used in the EX-FLOW; FE-series Mass Flow Meter / Controller.

Model marking prefix:

- FE-1…X-… is a Mass Flow Meter with control valve connection
- FE-2…X-… is a Mass Flow Meter/Controller with integrated control valve

  The I.S. valve coil for the FE-2 as Mass Flow Controller is not part of this certificate.
  A suitable certified type shall be selected.

For details on the description, type designation, electrical data and separately assessed parts see Annex 1 to the report mentioned in item 16.

**Thermal data**

| Model: | Ambient and process temperature range: |
|---|---|
| FE-1…X-… | -10 °C to +70 °C |
| | -10 °C to +55 °C when using the non-I.S. service port. |
| FE-2…X-… | -10 °C to +55 °C |

**Electrical data**

See Annex 1 to the 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**

NL/DEK/ExTR25.0039/00

(17) **Specific conditions of use**

Enclosure entries shall be closed with cable glands and/or blanking elements to maintain IP20 minimum protection according EN 60529.

The equipment shall be installed in a controlled environment with pollution degree 2 or better according the EN 60664-1.

The installation shall ensure that transients at the terminals are limited to OVC II maximum according EN 60664-1.

The metal chassis is connected to the Power Supply - terminal.

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

Met by compliance with the requirements listed in item 9.

(13) # SCHEDULE

(14) **to EU-Type Examination Certificate DEKRA 25ATEX0070X** Issue No. **0**

(19) **Remarks and additional information**

Compliance of the product with the applicable safety requirements of the relevant industrial standards and the functional performance have not been verified and is not covered by this certificate.