

# CERTIFICATE

## (1) Type Examination

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

(3) Type Examination Certificate Number: **DEKRA 21ATEX0002X** Issue Number: **0**

(4) Product: **Industrial mini CORI-FLOW Coriolis Mass Flow Meter type MI Series**

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

(6) Address: **Nijverheidsweg 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 no. NL/DEK/ExTR21.0006/00.

(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  
II 3 D**

**Ex ec IIC T4 Gc and  
Ex tc IIIC T100 °C Dc**

Date of certification: 14 February 2024

DEKRA Certification B.V.

R. Schuller  
Certification Manager

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(13) **SCHEDULE**

(14) **to Type Examination Certificate DEK 21ATEX0002X**

Issue No. 0

(15) **Description**

The industrial mini CORI-FLOW Mass Flow Meter type MI-series converts a fluidic (liquid or gas) flow into an electrical signal using a Coriolis mass flow sensor.

The enclosure provides a degree of protection of IP66 and IP67 according to EN IEC 60079-0.

Type code and electrical data shall be taken from Annex 1 to NL/DEK/ExTR21.0006/00.

Ambient and process temperature range: -20 °C to +70 °C.

The maximum surface temperature of the enclosure T100 °C is referred to an ambient temperature of 70 °C.

**Electrical data**

The electrical data shall be taken from Annex 1.

**Installation instructions**

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

(16) **Report Number**

No. NL/DEK/ExTR21.0006/00.

(17) **Specific conditions of use**

Certified cable glands or blind plugs with seal or gasket shall be used.

When used in an area requiring the use of equipment with EPL Gc:

The equipment shall only be used in an area of not more than pollution degree 3\* if equipped with suitable anti-condensation plug.

The equipment shall only be used in an area of not more than pollution degree 2\* if not equipped with suitable anti-condensation plug.

Apparatus shall only be opened in a controlled area; reduced to pollution degree 2\*

\*as defined in EN 60664-1.

Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR21.0006/00.