

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 23ATEX0093 X** Issue Number: **0**

(4) Product: **Mass Flowmeter Transmitter, type PA0K * ******

(5) Manufacturer: **Anton Paar GmbH**

(6) Address: **Anton-Paar-Strasse 20, Graz, 8054, Austria**

(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/ExTR23.0066/00.

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

EN IEC 60079-0 : 2018

EN 60079-1 : 2014

EN 60079-11 : 2012

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 db ib IIC T4 Gb (integral transmitter type with sensor type AU)

II 2 G Ex db ib IIB T4 Gb (integral transmitter type with sensor type AB and AS)

II 2 G Ex db [ib] IIC T6 Gb (separate transmitter type)

Date of certification: 11 December 2023

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 23ATEX0093 X**

Issue No. **0**

(15) **Description**

Mass Flow Transmitter, type PA0K * **** is used to convert the mass flow of a fluid into an electrical signal.

The transmitter enclosure consists of a main enclosure, main enclosure covers, an enclosure cover for window glass, a window glass and a window glass cover.

For separately mounted transmitter type, an Ex i terminal box and cover with terminals are provided. For integrally mounted transmitter type, a flow tube is provided.

The enclosure provides the type of protection Ex d. The electronics are mounted in a flameproof enclosure providing an intrinsically safe output towards the mass flow sensor and complies to the requirements of type of protection "[ib]". A certified mass flow sensor per DEKRA 23ATEX0094 can be mounted separately or integrally. For the integral type, maximum ambient temperature and maximum process temperature of the sensor are considered with this equipment.

For type designation, thermal data and electrical data, see Annex 1 to NL/DEK/ExTR23.0066/00.

Installation instructions

The manufacturers instructions shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR23.0066/00.

(17) **Specific conditions of use**

1. Repair of the flameproof joints is not allowed.
2. The property class of special fasteners is A2-50.
3. The equipment shall be used in the positions as specified in the instruction manual.
4. The capacitance of the label, being maximum 1 nF, exceeds the limit of IEC 60079-0.
The user shall determine suitability in the specific application.
5. Electrostatic charges on the non-metallic parts and coated parts of the equipment shall be avoided.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR23.0066/00.