

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 23ATEX0094** Issue Number: **0**

(4) Product: **Mass Flowmeter Sensor Model AU, AB and AS series**

(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/ExTR23.0067/00.

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

EN IEC 60079-0 : 2018

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 ib IIC T1...T5 Gb
II 2 G Ex ib IIB T3...T4 Gb

(Model AU)
(Models AB and AS)

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.

© Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 23ATEX0094**

Issue No. **0**

(15) **Description**

The Mass Flow Sensor Model AU, AB and AS series are designed for use with a Mass Flow Transmitter, for instance Model PA0K. They convert the mass flow of a fluid into an electrical signal.

The sensor contains one intrinsically safe drive coil, one or two intrinsically safe pickoff coils, and one or two intrinsically safe temperature sensors.

For type designation, thermal data and electrical data, see Annex 1 to NL/DEK/ExTR23.0067/00.

Installation instructions

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

(16) **Report Number**

No. NL/DEK/ExTR23.0067/00.

(17) **Specific conditions of use**

None.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR23.0067/00.