



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX DEK 23.0067X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2023-12-11
Applicant: **Anton Paar GmbH**
Anton-Paar-Strasse 20
Graz, 8054
Austria
Equipment: **Mass Flowmeter Transmitter, type PA0K * ******
Optional accessory:
Type of Protection: **Ex db, Ex ib**
Marking: Ex db ib IIC T4 Gb (integral transmitter type with sensor type AU)
Ex db ib IIB T4 Gb (integral transmitter type with sensor type AB and AS)
Ex db [ib] IIC T6 Gb (separate transmitter type)

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2023-12-11

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Manufacturer: **Anton Paar GmbH**
Anton-Paar-Strasse 20
Graz, 8054
Austria

Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NL/DEK/ExTR23.0066/00](#)

Quality Assessment Report:

[DE/TPS/QAR14.0002/06](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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 IECEx DEK 23.0068 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 this certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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.



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Additional information:

Incorporated certified Ex Components:

Communication interface series FBK-2* certified per IECEx PTB 13.0018X Issue No: 1, complying with the following standards:

IEC 60079-0 Ed. 6: "No applicable Technical Differences"

IEC 60079-11 Ed. 6: "same edition of the standard as the equipment"

Annex:

[228168900-Annex 1 to ExTR23.0066.00.pdf](#)