



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 CSAE 25.0005X** Page 1 of 5 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2026-07-16

Applicant: **Micro Motion**
7070 Winchester Circle
Boulder
Colorado 80301
United States of America

Equipment: **See annexe**

Optional accessory:

Type of Protection: **Flameproof 'd', Increased Safety 'e', Intrinsic Safety 'i', Dust Enclosure 't', Sealed component 'nC'**

Marking: **Model 9732**
Ex db eb [ia Ga] IIC T6...T3 Gb
Ex ec ic nC [ia Ga] IIC T5...T3 Gc
Ex tb IIIC T80°C...T155°C Db
-50 °C ≤ T_a ≤ +60 °C

Model 9205
Ex ia IIC T6...T3 Ga
Ex tb IIIC T80°C...T155°C Db
-50 °C ≤ T_a ≤ +60 °C

Approved for issue on behalf of the IECEx
Certification Body:

Michelle Halliwell

Position:

Senior Director of Operations

Signature:
(for printed version)

Date:
(for printed version)

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:

CSA Group Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom





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Manufacturer: **Emerson – Rosemount, Micro Motion Inc.**
12001 Technology Drive
Eden Prairie
MN 55344
United States of America

Manufacturing locations: **Emerson – Rosemount, Micro Motion Inc.**
12001 Technology Drive
Eden Prairie
MN 55344
United States of America

Micro Motion
7070 Winchester Circle
Boulder
Colorado 80301
United States of America

Emerson Process Management Flow Technologies Co., Ltd.
111, Xing Min South Road
Jiangning District, Nanjing
Jiangsu Province
211100
China

See following pages for more 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

[IEC 60079-15:2017](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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:

[GB/CSAE/ExTR26.0044/00](#)

Quality Assessment Report:

[NO/PRE/QAR15.0018/06](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Model 9732 Integral Electromagnetic Flow Meter (model code 9732 ATxxxxxxx) is an industrial instrument designed for the measurement of volumetric flow rates of conductive media. The device comprises a Model 9732 transmitter assembly factory-integrated with a Model 9205 sensor assembly.

Transmitter Assembly

The transmitter assembly is directly mounted to the sensor and enclosed within either a die-cast aluminum or stainless steel housing, as defined by the model code. The enclosure may be provided with an integral display and user interface (windowed configuration) or as a non-display ("blind") version.

The type of protection is dependent upon the model configuration, permitting installation in either Zone 1 or Zone 2 hazardous locations:

- **Zone 1 Applications:**

The enclosure provides flameproof protection (Ex db) for both the electronics compartment, including the display where fitted, and the terminal compartment. The terminal compartment is additionally provided with increased safety protection (Ex eb), eliminating the requirement for conduit sealing devices at the enclosure entries. Cable/conduit entries are provided as M20 or 1/2" NPT threads, as specified by the model code.

- **Zone 2 Applications:**

Protection is achieved through a combination of increased safety, sealed components, and intrinsic safety concepts, without reliance on flameproof protection.

- **Dust Hazardous Locations (Zone 21):**

Protection is provided by enclosure (Ex tb).

The transmitter assembly has been separately evaluated to ingress protection ratings IP66, IPX7, IPX8, and IPX9.

Mechanical Interface

The transmitter assembly is integrally connected to the Model 9205 sensor via a feedthrough connection that provides a flameproof transition between the transmitter electronics compartment and the sensor assembly. This interface allows rotational adjustment of the transmitter relative to the sensor to facilitate optimal viewing during installation. A mechanical clamp is provided to secure the transmitter in position after adjustment.

Sensor Assembly (Model 9205)

The Model 9205 sensor (model code 9205 yyyAyyyyyyyTZZyy) consists of a process pipe through which the measured medium flows. The assembly incorporates excitation coils and measurement electrodes housed within either a welded stainless steel enclosure or an assembled aluminum clamshell housing, depending on the model configuration.

The sensor employs the following protection methods:

- **Zone 0 Applications:**

Intrinsic safety (Ex ia)

- **Dust Hazardous Locations (Zone 21):**

Protection by enclosure (Ex tb)

The sensor assembly has been separately evaluated to ingress protection ratings IP66, IPX7, IPX8, and IPX9.

SPECIFIC CONDITIONS OF USE: YES as shown below:

See annexe



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Equipment (continued):

Conditions Of Manufacture

Protection Method Ex i

Model 9732

1. Transformer L301 on the 9732 board shall be 100% dielectric strength tested using 500 VAC for 60 seconds with a maximum leakage of 5 mA between the primary and secondary windings. 600 VAC for 1 second may also be substituted.
2. Transformer T2 on the 4W Power board shall be 100% dielectric strength tested using 1500 VAC for 60 seconds with a maximum leakage of 5 mA between the primary and secondary windings. 1800 VAC for 1 second may also be substituted.

Models 9205

1. The Sensor assembly shall be 100% dielectric strength tested using 500 VAC for 60 seconds with no breakdown.

Protection Method Ex e

Model 9732

1. The 9732 Transmitter shall be 100% dielectric strength tested using 1500 VAC for 60 seconds between the inputs and the chassis with no breakdown. Alternatively, 1800 VAC for 100 mS with no breakdown may also be used

Model 9205

None



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Additional manufacturing locations:

Flow Measurement Emerson SRL
Cluj Flow Technology Center
Str. Emerson, nr. 4
Parcul Industrial Tetarom 2
400641, Cluj-Napoca
Romania

F-R Tecnologías De Flujo, S.A. de C.V
Ave. Miguel de Cervantes 111,
Chihuahua, Chihuahua, 31136
Mexico

Annex:

[IECEx CSAE 25.0005X Iss 0 Annexe.pdf](#)

Annexe to: IECEx CSAE 25.0005X Issue 0

Applicant: Micro Motion Incorporated

Apparatus: See below



Product name/Model number

Model 9732 a b c d e f g h i j k k

where:

Code	Description	Allowed Values	Option
a	Revision Level	A	Revision Level A
b	Transmitter Mount	T	Integral Mount
c	Transmitter Housing Material	A	Aluminum
		P	316 Stainless Steel
d	Transmitter Power Supply	U	Universal Power Supply (18-100 VDC / 90-250VAC 50/60 Hz), self-switching
e	Display Option	N	No display, blind cover
		G	Backlit graphic display with Local Operator Interface (LOI)
		B	Backlit graphic display with LOI and Bluetooth ®
f	Output Hardware Board	A	Configurable Outputs
g	Transmitter output Channel A	A	4-20 mA HART ® FO, discrete input (DI), discrete output (DO) configurable
		Z	Channel Off
h	Transmitter output Channel B	A	4-20 mA FO, discrete input (DI), discrete output (DO) configurable
		Z	Channel Off
i	Transmitter output Channel C	A	RS-485 MODBUS ®
		Z	Channel Off
j	Conduit Entries	1	½-14 NPT
		2	M20
		N7	Ex ec ic nC [ia Ga] IIC T5...T3 Gc Ex tb IIIC T80°C...T155°C Db
		E7	Ex db eb [ia Ga] IIC T6...T3 Gb Ex tb IIIC T80°C ...T155°C Db
		NF	Ex tb IIIC T80°C...T155°C Db

Model 9205 aaa b c d e f g h ii j k l mm n

where:

Code	Description	Allowed Values	Option
aaa	Line Size	005	½" (15mm)
		010	1" (25mm)
		015	1.5" (40mm)
		020	2" (50mm)
		030	3" (80mm)
		040	4" (100mm)
		060	6" (150mm)
		080	8" (200mm)

Date: 16 July 2026

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Code	Description	Allowed Values	Option
b	Revision Level	A	Revision Level A
c	Lining Material	Any Single Alpha	Lining material does not impact certification
d	Electrode Material	Any Single Alpha	Electrode material does not impact certification
e	Electrode Type	Any Single Alpha	Electrode type does not impact certification
f	Flange Material	Any Single Alpha	Flange material does not impact certification (Flange is not part of enclosure)
g	Flange Type	Any Single Alpha	Flange type does not impact certification
h	Flange rating	Any single Alpha or digit	Flange rating does not impact certification
ii	Coil Housing Material	A0	Aluminum
		S0	300 Series Stainless Steel
		P0	316 Stainless Steel
j	Mounting Configuration	T	Integral (Does not include Transmitter)
k	Junction Box Material	Z	None – Integral Unit
l	Conduit Entries	Z	None – Integral Unit
		N7	Ex ia IIC T6...T3 Ga Ex tb IIIC T80°C...T155°C Db
		E7	Ex ia IIC T6...T3 Ga Ex tb IIIC T80°C...T155°C Db
		NF	Ex tb IIIC T80°C...T155°C Db
n	Order Option	Z	Standard Product

Specific Conditions of Use

- I. If a charge-generating mechanism is present, the exposed painted metallic part on the enclosure is capable of storing a level of electrostatic charge that could become incensive for IIIC dust. Therefore, the user/installer shall implement precautions to prevent the build-up of electrostatic charge, e.g., earthing the metallic part. This is particularly important if the equipment is installed in a zone 0 location. Cleaning of the painted surface shall only be done with a damp cloth.
- II. Painted enclosures are manufactured from aluminum, magnesium, titanium or zirconium which may be exposed on accessible surfaces of the equipment. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered when installed in Zone 0 locations for group II level of protection Ga. The enclosure shall be protected from impact and friction in the final installation, as required.
- III. The flameproof joints are not intended to be repaired.
- IV. Service Port (USB) is only intended for temporary use when a non-hazardous environment is present.

V. Label material on 9205 is nonconductive. Therefore, the user/installer shall implement precautions to prevent the build-up of electrostatic charge, e.g., Cleaning of the painted surface and label material shall only be done with a damp cloth.

VI. T-Code based on maximum 60 °C ambient:

Line Size	Maximum Process Temperature Aluminum Enclosure	Maximum Process Temperature Stainless Steel Enclosure	Temperature Code for EPL Gc/Db	Temperature Code for EPL Gb/Db	Transmitter Enclosure Orientation
0.5"	75 °C	75 °C	T5 / T95 °C	T6 / T80 °C	Any
	90 °C	90 °C	T5 / T95 °C	T5 / T95 °C	Any
	120 °C	120 °C	T4 / T130 °C	T4 / T130 °C	Any
	145 °C	145 °C	T3 / 155 °C	T3 / 155 °C	Any
1"	75 °C	75 °C	T5 / T95 °C	T6 / T80 °C	Any
	90 °C	90 °C	T5 / T95 °C	T5 / T95 °C	Any
	120 °C	120 °C	T4 / T130 °C	T4 / T130 °C	Any
	145 °C	145 °C	T3 / 155 °C	T3 / 155 °C	Any
1.5"	75 °C	75 °C	T5 / T95 °C	T6 / T80 °C	Any
	90 °C	90 °C	T5 / T95 °C	T5 / T95 °C	Any
	120 °C	120 °C	T4 / T130 °C	T4 / T130 °C	Any
	145 °C	145 °C	T3 / 155 °C	T3 / 155 °C	Any
2"	75 °C	75 °C	T5 / T95 °C	T6 / T80 °C	Any
	90 °C	90 °C	T5 / T95 °C	T5 / T95 °C	Any
	120 °C	120 °C	T4 / T130 °C	T4 / T130 °C	Any
	145 °C	145 °C	T3 / 155 °C	T3 / 155 °C	Any
3"	75 °C	75 °C	T5 / T95 °C	T6 / T80 °C	Any
	90 °C	90 °C	T5 / T95 °C	T5 / T95 °C	Any
	120 °C	120 °C	T4 / T130 °C	T4 / T130 °C	Any
	145 °C	145 °C	T3 / 155 °C	T3 / 155 °C	Any
4"	75 °C	75 °C	T5 / T95 °C	T6 / T80 °C	Any
	90 °C	90 °C	T5 / T95 °C	T5 / T95 °C	Any
	120 °C	120 °C	T4 / T130 °C	T4 / T130 °C	Any
	145 °C	145 °C	T3 / 155 °C	T3 / 155 °C	Any
6"	75 °C	75 °C	T5 / T95 °C	T6 / T80 °C	Any
	90 °C	90 °C	T5 / T95 °C	T5 / T95 °C	Any
	120 °C	120 °C	T4 / T130 °C	T4 / T130 °C	Any

Annexe to: IECEx CSAE 25.0005X Issue 0

Applicant: Micro Motion Incorporated

Apparatus: See below



Line Size	Maximum Process Temperature Aluminum Enclosure	Maximum Process Temperature Stainless Steel Enclosure	Temperature Code for EPL Gc/Db	Temperature Code for EPL Gb/Db	Transmitter Enclosure Orientation
	145 °C	145 °C	T3 / 155 °C	T3 / 155 °C	Any
8"	75 °C	75 °C	T5 / T95 °C	T6 / T80 °C	Any
	90 °C	90 °C	T5 / T95 °C	T5 / T95 °C	Any
	120 °C	120 °C	T4 / T130 °C	T4 / T130 °C	Any
	145 °C	145 °C	T3 / 155 °C	T3 / 155 °C	Any