



# 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](http://www.iecex.com)

Certificate No.: **IECEX BVS 21.0091X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2022-02-28  
Applicant: **MIB GmbH**  
Messtechnik und Industrieberatung  
Bahnhofstrasse 35  
79206 Breisach  
Germany  
Equipment: **Flow measuring device type Flowmax 42i compact**  
Optional accessory:  
Type of Protection: **Protection by encapsulation "m"**  
Marking: **Ex mb IIC T6 Gb**

Approved for issue on behalf of the IECEx  
Certification Body:

**Dr Michael Wittler**

Position:

**Deputy Head of Certification Body**

Signature:  
(for printed version)

Date:  
(for printed version)

28.02.2022

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DEKRA Testing and Certification GmbH**  
Certification Body  
Dinnendahlstrasse 9  
44809 Bochum  
Germany

 **DEKRA**  
On the safe side.



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Manufacturer: **MIB GmbH**  
Messtechnik und Industrieberatung  
Bahnhofstrasse 35  
79206 Breisach  
**Germany**

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 60079-18:2017** Explosive atmospheres - Part 18: Protection by encapsulation "m"  
Edition:4.1

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:

[DE/BVS/ExTR22.0009/00](#)

Quality Assessment Report:

[DE/BVS/QAR22.0002/00](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

### Subject and Type

Flow measuring device type Flowmax 42i compact

### Description

The Flowmax 42i compact flow measuring device is particularly suitable for measuring very dynamic processes in a pipeline. Liquids are measured by means of ultrasonic flow measurement.

The electronics inside are encapsulated.

The measuring device can be flanged to various pipe diameters.

### Parameters

Rated voltage	24V DC (20V to 27V)
Rated current	0.15A
Rated Power	up to 3.6 W
IP Protection degree	IP65
Ambient temperature range	0°C up to +50°C
Medium temperature	0°C up to +50°C
Measuring range	0.006 - 1 l/min DN 3 0.024 - 3 l/min DN 5 0.09 - 6 l/min DN 7 0.3 - 24 l/min DN10 0.9 - 60 l/min DN15

### SPECIFIC CONDITIONS OF USE: YES as shown below:

- The flowmeter, must not be connected or disconnected under voltage.
- Measures must be taken to avoid electrostatic charges. See operating instructions of the manufacturer.
- The installation must be protected from UV light.
- The cable entries must be protected against mechanical danger.
- In the case of external damage, the equipment must be removed immediately from the Ex atmosphere.
- Cleaning with damp cloth only.
- The ambient temperature range and the media temperature range are as follows  
 $0\text{ °C} \leq T_{\text{amb}} \text{ and } T_{\text{medium}} \leq 50\text{ °C}$ .