

Translation

EU-Type Examination Certificate

Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 21 ATEX E 089 X**

Product: **Flow measuring device type Flowmax 42i compact**

Manufacturer: **MIB GmbH**

Address: **Bahnhofstraße 35, 79206 Breisach, Germany**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH, Notified Body number 0158, 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 the confidential Report No. BVS PP 21.2145 EU.

The Essential Health and Safety Requirements are assured in consideration of:

EN IEC 60079-0:2018 **General requirements**
EN 60079-18:2015/A1:2017 **Encapsulation "m"**

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

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.

The marking of the product shall include the following:

 **II 2G Ex mb IIC T6 Gb**

DEKRA Testing and Certification GmbH
Bochum, 2022-02-21

Signed: Jörg-Timm Kilisch

Managing Director

13 **Appendix**

14 **EU-Type Examination Certificate**

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15 **Product description**

15.1 **Subject and type**

Flow measuring device type Flowmax 42i compact

15.2 **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.

15.3 **Parameters**

Rated voltage	24 VDC (20 V to 27 V)
Rated current	0.15 A
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

16 **Report Number**

BVS PP 21.2145 EU, as of 2022-02-21

17 **Special Conditions for Use**

- The flow meter, 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
 $0\text{ °C} \leq T_{\text{amb}}$ and $T_{\text{medium}} \leq 50\text{ °C}$

18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH
Bochum, 2022-02-21
BVS-Kir/MGR A20190411



Managing Director