

Translation

EU-Type Examination Certificate

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

EU-Type Examination Certificate Number: **BVS 22 ATEX E 003 X**

Product: **Flow measuring device type Flowmax 400i 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 22.2020 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

BVS 22 ATEX E003 X

15 Product description

15.1 Subject and type

Flow measuring device type Flowmax 400i compact

15.2 Description

The Flowmax 400i 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 | 0.09 – 6 l/min for 3/8" |
| | 0.3 – 24 l/min for 1/2" |
| | 0.9 – 60 l/min for 3/4" |
| | 1.2 – 120 l/min for 1" |

16 Report Number

BVS PP 20.2020 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-(Wlo)Kir/MGR A20211430

A blue ink signature, appearing to be 'J. G. A.', written over a horizontal line.

Managing Director