

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 02ATEX1006 X** Issue Number: **7**

(4) Product: **Ultrasonic Level Transmitter Prosonic M Types FMU40-....., FMU41-....., FMU42-..... and FMU44-.....**

(5) Manufacturer: **Endress+Hauser SE+Co. KG**

(6) Address: **Hauptstraße 1, 79689 Maulburg, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 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 confidential test report number NL/DEK/ExTR11.0010/04.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0 : 2018
EN 60079-26 : 2015

EN 60079-1 : 2014
EN 60079-31 : 2014

EN 60079-11 : 2012

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) 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.

(12) The marking of the product shall include the following:



II 1/2 G or II 2 G Ex ia IIC T6 ... T4 Ga/Gb or Ex ia IIC T6 ... T4 Gb or
II 1/2 G or II 2 G Ex db [ia] IIC T6 ... T4 Ga/Gb or Ex db [ia] IIC T6 ... T4 Gb or
II 1/2 D or II 2 D Ex ta/tb IIIC Txx °C Da/Db or Ex tb IIIC Txx °C Db or
II 1/3 D Ex ta/tc IIIC Txx °C Da/Dc

Date of certification: 31 May 2022

DEKRA Certification B.V.

R. Schuller
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 02ATEX1006 X**

Issue No. 7

(15) **Description**

The Ultrasonic Level Transmitters Prosonic M Model FMU40-..... (with 1½" sensor diameter), Model FMU41-..... (with 2" sensor diameter), Model FMU42-..... (with 3" sensor diameter) Model FMU44-..... are used for continuous, contactless level measurement of fluids and coarse bulk materials in an explosive atmosphere caused by the presence of combustible gases, liquids, mistsusts.

For description, type designation, thermal data and electrical data, refer to Annex 1 to Report No. NL/DEK/ExTR11.0010/04.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR11.0010/04.

(17) **Specific conditions of use**

- Electrostatic charging shall be avoided on model FMU44 only, refer to installation manual
- Low risk of mechanical danger for specific enclosures as specified in Installation manual; This concerns the windowed cover of enclosures in type of protection Ex t;
- The flameproof joints of the flameproof enclosures are not intended to be repaired.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR11.0010/04.

(20) **Certificate history**

Issue 1 - 210096000	Additional options
Issue 2 - 201205800	Constructional changes
A01 - 203168100	Constructional changes (amendment)
A02 - 207343200	Constructional changes (amendment)
A03 - 210096000	Constructional changes (amendment)
Issue 3 - 214034300	Assessment Ex i part according to new editions of standards
Issue 4 - 214034300	Addition of Ex t and Ex d according to new editions of standards
Issue 5 - 222429100	Manufacturer name change, new display option and minor constructional changes.
Issue 6 - 222904100	namechange of an internal module
Issue 7 - 225044700	Assessment according to new editions of the standards and change of temperatures.