

# 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 10ATEX0093 X** Issue Number: **12**

(4) Product: **Level Transmitter Levelflex FMP50, OFMP50, FMP51, OFMP51, FMP52, OFMP52, FMP53, OFMP53, FMP54, OFMP54, FMP55, OFMP 55, FMP56, OFMP56, FMP57 and OFMP57**

(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/KEM/ExTR10.0055/12.

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

**EN IEC 60079-0 : 2018**  
**EN 60079-11 : 2012**  
**EN 60079-31 : 2014**

**EN 60079-1 : 2014**  
**EN 60079-26 : 2015**

**EN 60079-7 : 2015 + A1 : 2018**  
**IEC 60079-26 : 2021**

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 G**  
**II 1/2 G**

**II 1 D**  
**II 1/2 D**

**Ex ia IIC T6...T1 Ga or**  
**Ex ia IIC T6...T1 Ga/Gb or**  
**Ex ia/db [ia Ga] IIC T6...T1 Ga/Gb or**  
**Ex ta IIIC T<sub>200XX</sub> °C Da Or**  
**Ex ia IIIC Txx °C Da/Db or Ex ta/tb IIIC Txx °C Da/Db**

Date of certification: 23 August 2023  
DEKRA Certification B.V.

R. Schuller  
Certification Manager



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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 10ATEX0093 X**

Issue No. **12**

(15) **Description**

Level Transmitters Levelflex FMP50, OFMP50, FMP51, OFMP51, FMP52, OFMP52, FMP53, OFMP53, FMP54, OFMP54, FMP55, OFMP55, FMP56, OFMP56, FMP57 and OFMP57 are used for the measurement of the level of liquid or solid materials on basis of the Time of Flight (ToF) method.

Level Transmitters Levelflex FMP55 and OFMP55 additionally measure the interlayer between two different liquids by additionally using the capacitance of the probe.

The transmitter consists of an electronics enclosure and an integral rope or rod probe.

Depending on the interface applied, the probe measurement signal is converted into an electrical output signal.

See Annex 1 for detailed information on all possible variations and options and the applicable electrical data.

Ambient temperature range -50 °C to +80 °C.

See Annex 1 for detailed information on the relation between ambient temperature and process temperature and temperature class and maximum surface temperature.

**Electrical data**

See Annex 1 for the electrical data.

**Installation instructions**

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

(16) **Report Number**

No. NL/KEM/ExTR10.0055/12.

(17) **Specific conditions of use**

Depending on the configuration and the application of the equipment, specific conditions of use may apply, e.g. regarding electrostatic discharge, zone partition wall or external protective devices. For details, refer to the equipment specific Safety Instructions.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/KEM/ExTR10.0055/12.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 10ATEX0093 X**

Issue No. **12**

(20) **Certificate history**

Issue 1	- 213683800	initial certificate
Issue 2	- 214074800	extension of the model range
Issue 3	- 215283400	extension of the model range
Issue 4	- 216161200	extension of the model range and standards update
Issue 5	- 216373000	constructional changes
Issue 6	- 218210500	change of T <sub>a</sub>
Issue 7	- 219883700	constructional changes and standards update
Issue 8	- 222238700	extension of the model range
Issue 9	- 223617000	extension of the model range and constructional changes
Issue 10	- 224947300	constructional changes and standards change
Issue 11	- 226279800	evaluation to EN 60079-7 and editorial changes, versions with Approval Codes "BK, IK, *K" removed from scope
Issue 12	- 227466000	evaluation to IEC 60079-26 : 2021 and changes to the construction and model codes