



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

Certificate No.: **IECEx KEM 09.0026**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 3

Issue 2 (2016-12-23)

Issue 1 (2010-11-08)

Issue 0 (2009-03-27)

Date of Issue: 2020-11-17

Applicant: **Endress+Hauser SE+Co. KG**
Hauptstraße 1
79689 Maulburg
Germany

Equipment: **Level Transmitter Waterpilot Type FMX21**

Optional accessory: Terminal Enclosure

Type of Protection: **Ex ia**

Marking: Ex ia IIC T4 ... T6 Gb

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:

2020-11-17

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 or use of this QR Code.



Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





IECEx Certificate of Conformity

Certificate No.: **IECEx KEM 09.0026**

Page 2 of 4

Date of issue: 2020-11-17

Issue No: 3

Manufacturer: **Endress+Hauser SE+Co. KG**
Hauptstraße 1
79689 Maulburg
Germany

Additional manufacturing locations: **Refer to Annex 1 for additional 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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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:

[NL/KEM/ExTR09.0031/03](#)

Quality Assessment Report:

[DE/TUN/QAR06.0003/08](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx KEM 09.0026**

Page 3 of 4

Date of issue: 2020-11-17

Issue No: 3

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description

Level Transmitter Waterpilot FMX21-... is a pressure transmitter that is applied for measuring a liquid level using hydrostatic pressure measurement.

The transmitter consists of a sensor assembly that is suspended by means of its cable down to the bottom of the tank or reservoir and optionally a terminal enclosure for connection of the field wiring. The measured pressure is proportional to the height of the water column above the sensor.

The measurement signal is converted into a 4 - 20 mA current signal with or without digital communication (HART).

Ambient temperature range -10 °C to +40 °C for T6.

Ambient temperature range -10 °C to +55 °C for T5.

Ambient temperature range -10 °C to +70 °C for T4.

Electrical data

Supply and output signal (red and black wires and/or optionally, terminals + and -):

in type of protection intrinsic safety Ex ia IIC, only for connection to a certified intrinsically safe circuit, with following maximum values:

$U_i = 30 \text{ Vdc}$; $I_i = 133 \text{ mA}$; $P_i = 1 \text{ W}$; $L_i = 1 \text{ }\mu\text{H/m}$ (integral cable);

$C_i = 10.3 \text{ nF} + 180 \text{ pF/m}$ (integral cable).

SPECIFIC CONDITIONS OF USE: NO



IECEx Certificate of Conformity

Certificate No.: **IECEx KEM 09.0026**

Page 4 of 4

Date of issue: 2020-11-17

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Change in manufacturer name

Assessment against latest standards

Annex:

[225064300-Annex 1.pdf](#)

Annex 1 to Certificate of Conformity IECEX KEM 09.0026

Manufacturing locations

1. Endress+Hauser SE+Co. KG
Hauptstraße 1
79689 Maulburg
Germany
2. Endress+Hauser Yamanashi Co. Ltd.
821-1, Sakaigawa-cho, Fuefuki-shi
406 0846 Yamanashi
Japan
3. Endress+Hauser (Suzhou)
Automation Instrumentation Co. Ltd.
China – Singapore
Industrial Park (SIP)
Su-Hong-Zhong-Lu, No. 491
Jiangsu Province, 215021 Suzhou
P.R. China
4. Endress+Hauser (India)
Automation Instrumentation Pvt. Ltd.
M-192, Waluj MIDC, Aurangabad – 431 136
Maharashtra State
India
5. Endress+Hauser (USA)
Automation Instrumentation Inc.
2340 Endress Place
Greenwood, Indiana 46143
USA
6. Endress+Hauser (Brasil)
Instrumentação e Automação Ltda.
Avenida Antonio Sesti, 600, Itatiba/SP
Brasil