Certificate No: LR2665975TA
Issue Date: 20/02/2026
Expiry Date: 19/02/2031

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Endress+Hauser SE + Co. KG**
Address	Hauptstrasse 1, 79689 Maulburg, Germany
Place of Production	Endress+Hauser SE + Co. KG Hauptstrasse 1, 79689 Maulburg, Germany
Type	Pressure Transmitter
Description	Pressure sensor with ceramic measuring cell for hydrostatic level measurement Waterpilot FMX21- a b c d e f g h a Approval: AA, BE, BD, CD, CE, FE, IC, NA b Signal Output: 2 c Probe tube diameter: 1, 2, 5 d Sensor measuring range: 1C, 1D, 1F, 1G, 1H, 1K, 1M, 1P, 1Q, 2K, 2M, 2P, 2Q e Reference accuracy: D, G f Unit of measurement calibration: A, B, C, D, E, F, J, K g Sensor cable / probe connection: any 2-digit number combination h Material internal seal: A, H
Trade Name	Waterpilot FMX21
Application	Marine applications for use in environmental categories ENV1, ENV2, ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2002.

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Thorsten Wolff

Electrical & Control - Senior Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

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Type Approval Certificate

Specified Standard

Manufacturer's specification
IACS unified requirements E10 (Rev.9 Aug 2023)

Ratings

Power Supply: 24 VDC
Output: 4…20 mA (HART 6.0)
Measuring range: 0 – 20 bar / 0 – 4bar (saltwater)
Process temperature range: -10 – 70 °C/ 0 – 50 °C (saltwater)
Ex-marking: ATEX II 2 G Ex ia IIC T6…T4 Gb / IECEx Ex ia IIC T4…T6 Gb

Firmware version: 01.00.xx

Additional Tests

Fire hazard test (Needle-flame test) acc. to IEC 60695-11-5 with fluorinated ethylene propylene (FEP) insulatedsensor cable
Cable flame test acc. to IEC 60332-1-2 (2004) with polyurethane (PUR) and fluorinated ethylene propylene (FEP)insulated sensor cable
Low temperature test (-15 °C / 16 h) for type FMX21-AA221HDA30A (29 mm probe outer diameter; 1 bar gauge pressure sensor measuring range, ±0.2% accuracy)
Low temperature test (0 °C / 16 h) for type FMX21-BE252KGB30H (42 mm probe outer diameter; 2 bar absolute pressure sensor measuring range, ±0.1% accuracy)
Salt mist test (168 h storage / 2 h spray duration / 4 cycles / 5% NaCl saline solution)

Other Conditions

Ratings for application in hazardous areas are to be obtained from the applicable Ex Certificates.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2192395TA

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Type Approval Certificate

The Design Appraisal Document TSO-25-050912/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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