

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
Type	Transmitters/Transducers
Description	Hydrostatic pressure transmitter Deltapilot M Refer to the Appendix for details.
Trade Name	FMB50, FMB52, FMB53
Application	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2002.
Specified Standard	Manufacturer's specification IACS unified requirements E10 (Rev.8 Feb 2021)
Ratings	Power supply: 24 VDC Output: 4-20mA Hart Measuring range: 0.1 - 10 bar
Other Conditions	Ratings for application in hazardous areas are to be obtained from the applicable Ex Certificates.

Thorsten WolffSenior Specialist to Lloyd's Register EMEA
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Kingdom

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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: 12/20027 (E1)

The Design Appraisal Document HPC1762086-22/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Appendix

TYPES

FMB50 [10][20][30][40][50][70][80][90][110][170][180][190][590]
FMB52 [10][20][30][40][50][70][80][90][100][110][170][180][190][590]
FMB53 [10][20][30][40][50][70][80][90][100][110][170][180][190][590]

[10] Approval: AA, BA, BB, BD, BE, BG, B1, 8C, IA, IC, ID, IE, I1, CA, CC, CD, FA, FC, FD, FE, NA, 99
[20] Output: 2
[30] Display, operation: 1, 2
[40] Housing: I, J, Q, R, S
[50] Electrical connection: A, C, D, I, M, P, S, V
[70] Sensor range: 1C, 1F, 1H, 1M, 1P, 99
[80] Reference accuracy: D, G, Y
[90] Calibration; unit: A, B, C, D, E, F, J, K, Y
[100] Probe connection: 15, 25, 35, 45, 99
[110] Process connection: GGC, GGJ, RGJ, AEJ, AFJ, AGJ, AHJ, CEJ, CFJ, CGJ, CHJ, KEJ, KFJ, KGJ, KHJ, MRJ, MZJ, NDJ, S4J, TXJ, TIJ, TRJ, UNJ, UOJ, UPJ, UQJ, USJ, UTJ, TDJ, YYY
[170] Material of the process isolating diaphragm: B, L, N, Y
[180] Fill fluid: 2, 3, 9
[190] Seal: A, J, L, U, Y
[590] Additional approval: LA, LG, LR, LW