

TYPE APPROVAL CERTIFICATE

DNV·GL

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No. **14 581 - 99 HH**

Company **Endress + Hauser GmbH + Co. KG**

**Hauptstraße 1
79689 Maulburg, GERMANY**

Product Description **Hydrostatic pressure sensor with ceramic cell**

Type **Waterpilot FMX 167**

Environmental Category **C, EMC1**

Technical Data /
Range of Application **Power supply: 24 V DC
Output signal: 2-wire connection, 4...20mA
Materials:
Probe: stainless steel 1.4435 (AISI 316L)
(plastic coated for saltwater application)
Cable: Li2GS2Y (6x2) screened and insulated with:
Polyurethane (PUR) or Tetrafluorethylene-Hexafluorpropylene (FEP)
Seal: EPDM or Viton
Membrane: aluminium oxide ceramic (AL2 O3)

Pressure range: 0.1 ... 20.0 bar
Temperature range: 0 ... 70°C
Process connection:
Freely suspended cable inside a guide pipe
G1-screw for wall-fastening applications
Probe connection = 99: TSP - FMX167 with flanged process connection
Degree of protection: IP 68 (200 m)
Certified safe type: according to the certificate TÜV 01 ATEX 1685**

Test Standard **Guidelines for the Performance of Type Approvals, Chapter 2- Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2003**

Documents **Test reports E+H no.: PTC_E_04002, PTC_E_05_010_GL, 970002314 PUR cable (26.11.10), 970002203 FEP cable (08.09.10), FES_G_06_022_01;
Test reports paconsult no.: 0955-05;
TI00351P/00/EN/14.13; Drawing no. 210017750,
Ex-proof Certificate: TÜV 01 ATEX 1685,
Special version documentation FMX with process flange (SV01297P/00/A2/01.13),
Drawing no. 960017688 (28.04.2015)**

Remarks **This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007.**

Valid until **2020-01-03**

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File No. **I.D.01**

Hamburg, 2015-07-02

Type Approval Symbol



DNV GL


Marco Rinkel


Klaus-Peter Schröder