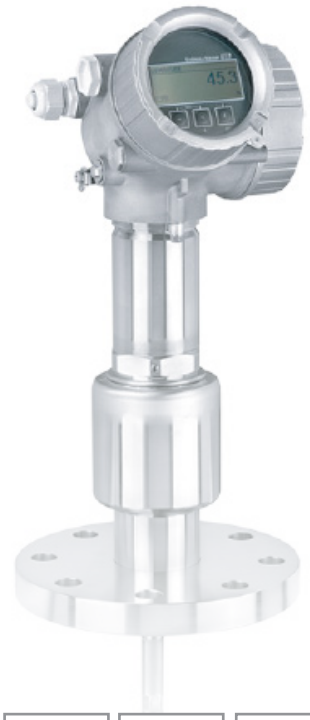
LEVELFLEX FMP54

MODEL NUMBER

Levelflex FMP54 for continuous level measurement in liquids under extreme conditions. The process connection with its ceramic-graphite seal safeguards high temperature and high pressure applications as they occur in steam boilers and toxic media like ammonia. The gas tight feed through guarantees additional safety. Only the gas phase compensation of the FMP54 gives reliable results in case of gas and steam phases. Reliable measurement in case of moving surface and foam or in changing medias.



Endress+Hauser
VAR PARTNER

LEVEL-FLEX												

LEVELFLEX FMP54

APPROVAL
- AA = Non-hazardous area
- CA = CSA C/US General Purpose
- C2 = CSA C/US IS Cl.I,II,III Div.1 Gr.A-G, NI Cl.1 Div.2, Ex ia
- C3 = CSA C/US XP Cl.I,II,III Div.1 Gr.A-G, NI Cl.1 Div.2, Ex d
- CD CSA C/US DIP Cl.II,III Div.1 Gr.E-G
- FB = FM IS Cl.I,II,III Div.1 Gr.A-G, AEx ia, NI Cl.1 Div.2
- FD = FM XP Cl.I,II,III Div.1 Gr.A-G, AEx d, NI Cl.1 Div.2
- 8A = FM/CSA IS+XP Cl.I,II,III Div.1 Gr.A-G

DISPLAY, OPERATION
- A = Without, via communication
- C = SD02 4-line, push buttons + data backup function
- E = SD03 4-line, illum., touch control + data backup function
- L = Prepared for display FHX50 + M12 connection
- M = Prepared for display FHX50 + custom connection

ELECTRICAL CONNECTION
- A = Gland M20, IP66/68 NEMA4X/6P
- B = Thread M20, IP66/68 NEMA4X/6P
- D = Thread NPT1/2, IP66/68 NEMA4X/6P
- I = Plug M12, IP66/68 NEMA4X/6P

SEAL
- D1 = Graphite,-196...280°C/-321...536°F (XT), saturated steam max 200°C/392°F
- D2 = Graphite, -196...450°C/-321...842°F (HT)

APPLICATION PACKAGE
- EB = Interface measurement
- EF = Gas Phase Compensation, L ref= 300mm/11in see additional spec.
- EG = Gas Phase Compensation, L ref=550mm/21in see additional spec.

CALIBRATION
- F4 = 5-point linearity protocol observe minimum probe length, see documentation ref=550mm >=1500mm], rod >=1250mm
- F3 = 3-point linearity protocol observe minimum probe length, rod/coax >=1000mm [Gas Phase Comp., L ref=300mm >=1250mm / L

MARKING
- Z1 = stainless steel tag

PROBE DESIGN
- MB = Sensor remote, 3m/9ft cable, detachable+ mounting bracket
- MC = Sensor remote, 6m/18ft cable, detachable + mounting bracket
- MD = Sensor remote, 9m/27ft cable, detachable + mounting bracket

POWER SUPPLY; OUTPUT
- A = 2-wire; 4-20mA HART
- B = 2-wire; 4-20mA HART, switch output
- C = 2-wire; 4-20mA HART + 4-20mA analog
- E = 2-wire; FOUNDATION Fieldbus, switch output
- G = 2-wire; PROFIBUS PA, switch output
- K = 4-wire 90-253VAC; 4-20mA HART
- L = 4-wire 10,4-48VDC; 4-20mA HART

HOUSING
- C = GT20 dual compartment, Alu, coated
- B = GT18 dual compartment, 316L
- A = GT19 dual compartment, plastic PBT

PROBE
- AA = 300 mm, rod 16mm 316L
- AF = 12 inch, rod 0.63in 316L
- BA = 618 mm, rod 16mm 316L, 500mm divisible
- BB = 24 inch, rod 0.63in 316L, 20inch divisible
- BC = 1118 mm, rod 16mm 316L, 1000mm divisible
- BD = 44 inch, rod 0.63in 316L, 40inch divisible
- LA = 1000 mm, rope 4mm, 316
- LB = 40 inch, rope 1/6" 316
- UA = 300 mm, coax 316L
- UB = 12.000 inch, coax 316L

PROCESS CONNECTION
- AFJ = NPS 2" Cl.150 RF, 316/316L flange ASME B16.5
- ARJ = NPS 2" Cl.300 RF, 316/316L flange ASME B16.5
- AAJ = NPS 2" Cl.300/600 RF, 316/316L flange ASME B16.5
- A6J = NPS 2" Cl.1500 RF, 316/316L flange ASME B16.5
- AGJ = NPS 3" Cl.150 RF, 316/316L flange ASME B16.5
- ASJ = NPS 3" Cl.300 RF, 316/316L flange ASME B16.5
- ABJ = NPS 3" Cl.300/600 RF, 316/316L flange ASME B16.5
- A7J = NPS 3" Cl.1500 RF, 316/316L flange ASME B16.5
- AHJ = NPS 4" Cl.150 RF, 316/316L flange ASME B16.5
- ATJ = NPS 4" Cl.300 RF, 316/316L flange ASME B16.5
- AOJ = NPS 4" Cl.600 RF, 316/316L flange ASME B16.5
- AZJ = NPS 4" Cl.900 RF, 316/316L flange ASME B16.5