

Micropilot M FMR245



More information and current pricing:

www.endress.com/FMR245

Benefits:

- Non-contact measurement: Measurement is almost independent from product properties
- 2-wire technology, low price: A real alternative to differential pressure, floats and displacers.
2-wire technology reduces wiring costs and allows easy implementation into existing systems
- Easy commissioning, documentation and diagnostics via Endress+Hauser operating software
- Easy on-site operation via menu-driven alphanumeric display
- Used for level monitoring (MIN, MAX) up to SIL 2 as per IEC 61508/IEC 61511-1
- HART or PROFIBUS PA respectively FOUNDATION Fieldbus protocol
- Option: Gastight feedthrough to improve the process safety

Specs at a glance

- **Accuracy** +/- 3 mm
- **Process temperature** -40° C...+200° C (-40 °F...+392 °F)
- **Process pressure / max. overpressure limit** Vacuum...16 bar (Vacuum...232 psi)
- **Max. measurement distance** Max. measurement distance
- **Main wetted parts** PTFE

Field of application: The Micropilot FMR245 offers cost-effective 4 to 20mA 2-wire technology and is suitable for hazardous locations. The FMR245 is used for continuous, non-contact level measurement of liquids, pastes, slurries, and solids. The measurement is not affected by changing media, temperature changes, gas blankets or vapors.

Features and specifications

Continuous / Liquids

Measuring principle

Continuous / Liquids

Characteristic / Application

Characteristic / Application

Supply / Communication

2-wire (HART / PROFIBUS PA / FOUNDATION
Fieldbus)

Frequency

K-Band (~ 26 GHz)

Accuracy

+/- 3 mm

Ambient temperature

-40 °C...+80 °C
(-40 °F...+176 °F)

Process temperature

-40° C...+200° C
(-40 °F...+392 °F)

Process pressure / max. overpressure limit

Vacuum...16 bar
(Vacuum...232 psi)

Main wetted parts

PTFE

Process connection

DN50...DN150

Process connection hygienic

Tri-Clamp ISO2852
DIN11851

Application

Application

Continuous / Liquids

Max. measurement distance

Max. measurement distance

Communication

4...20 mA HART

PROFIBUS PA

FOUNDATION Fieldbus

Certificates / Approvals

ATEX, FM, CSA, IECEx, TIIS, NEPSI

Overfill prevention WHG

SIL

EN 10204-3.1

Marine GL

3A, EHEDG

Application limits

Application limits

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