

## Micropilot M FMR245



More information and current pricing:

[www.jp.endress.com/FMR245](http://www.jp.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

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**Continuous / Liquids**

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**Characteristic / Application**

Characteristic / Application

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**Supply / Communication**

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

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**Frequency**

K-Band (~ 26 GHz)

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**Accuracy**

+/- 3 mm

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**Ambient temperature**

-40 °C...+80 °C  
(-40 °F...+176 °F)

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**Process temperature**

-40° C...+200° C  
(-40 °F...+392 °F)

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**Process pressure / max. overpressure limit**

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

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**Main wetted parts**

PTFE

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**Process connection**

DN50...DN150

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**Process connection hygienic**

Tri-Clamp ISO2852  
DIN11851

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**Application**

Application

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## Continuous / Liquids

### Max. measurement distance

Max. measurement distance

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### Communication

4...20 mA HART

PROFIBUS PA

FOUNDATION Fieldbus

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### Certificates / Approvals

ATEX, FM, CSA, IECEX, TIIS, NEPSI

Overfill prevention WHG

SIL

EN 10204-3.1

Marine GL

3A, EHEDG

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### Application limits

Application limits

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