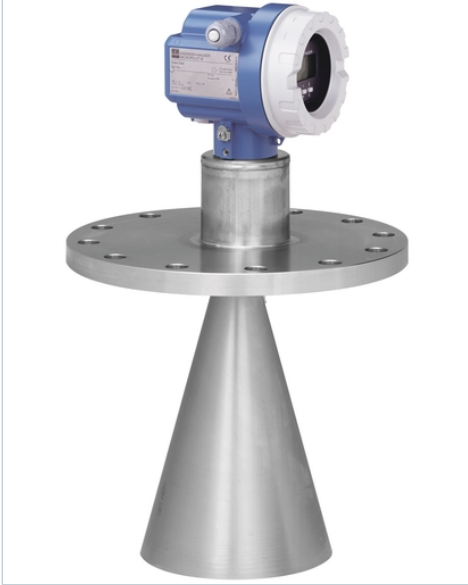


# Micropilot M FMR230



Thông tin thêm và mức tính giá hiện tại:

[www.apsc.endress.com/FMR230](http://www.apsc.endress.com/FMR230)

## Lợi ích:

- 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
- Frequency range in the C-band
- Option: Gastight feedthrough to improve the process safety

## Tổng quan về thông số kỹ thuật

- **Accuracy** +/- 10 mm
- **Process temperature** -60 °C...+400 °C (-76 °F...+752 °F)
- **Process pressure / max. overpressure limit** Vacuum...160 bar (Vacuum...2320 psi)
- **Max. measurement distance** Max. measurement distance
- **Main wetted parts** 316L, Alloy C

**Phạm vi ứng dụng:** The Micropilot FMR230 is especially suited for measurement in buffer and process tanks. FMR230 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.

## Tín năng và thông số kỹ thuật

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**

C-band (~6 GHz)

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**Accuracy**

+/- 10 mm

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**Ambient temperature**

-40 °C...+80 °C  
(-40 °F...+176 °F)

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**Process temperature**

-60 °C...+400 °C  
(-76 °F...+752 °F)

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**Process pressure / max. overpressure limit**

Vacuum...160 bar  
(Vacuum...2320 psi)

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**Main wetted parts**

316L, Alloy C

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**Process connection**

Flange:  
DN80...DN250,  
ASME 3"...10",  
JIS 10K

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**Process connection hygienic**

Tri-Clamp ISO2852

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**Application**

Application

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## Continuous / Liquids

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### 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

EN10204-3.1

NACE

Marine GL/ABS/NK

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### Options

DN80/DN100 for Bypass/Stilling well

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### Application limits

Application limits

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Thông tin bổ sung [www.apsc.endress.com/FMR230](http://www.apsc.endress.com/FMR230)