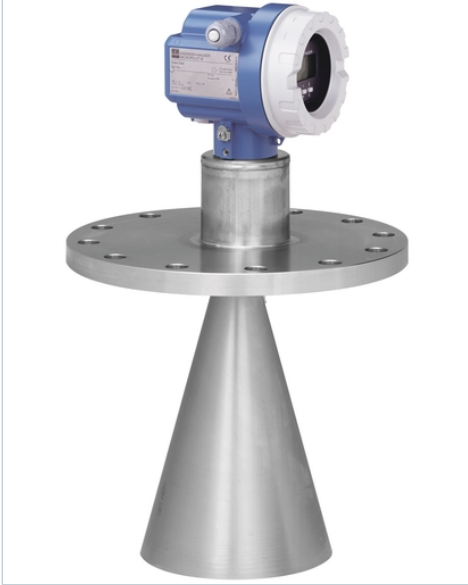


Micropilot M FMR230



More information and current pricing:

www.at.endress.com/FMR230

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

Specs at a glance

- **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

Field of application: 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.

Features and specifications

Continuous / Liquids

Measuring principle

Level radar

Characteristic / Application

Characteristic / Application

Supply / Communication2-wire (HART / PROFIBUS PA / FOUNDATION
Fieldbus)**Frequency**

C-band (~6 GHz)

Accuracy

+/- 10 mm

Ambient temperature-40 °C...+80 °C
(-40 °F...+176 °F)**Process temperature**-60 °C...+400 °C
(-76 °F...+752 °F)**Process pressure / max. overpressure limit**Vacuum...160 bar
(Vacuum...2320 psi)**Main wetted parts**

316L, Alloy C

Process connectionFlange:
DN80...DN250,
ASME 3"...10",
JIS 10K**Process connection hygienic**

Tri-Clamp ISO2852

Continuous / Liquids

Application

Application

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

EN10204-3.1

NACE

Marine GL/ABS/NK

Options

DN80/DN100 for Bypass/Stilling well

Application limits

Application limits

More information www.at.endress.com/FMR230