

Micropilot FMR10B – radar sensor for basic applications

Simple operation of level measurement in liquids and solids



Benefits:

- Fast and easy commissioning thanks to guided setup sequences (wizards)
- Bluetooth connectivity enables easy, reliable and encrypted wireless remote access
- Device identification during Bluetooth connection thanks to "It's me-function" (LED flashing) and status indication via LED
- Simple device selection thanks to clear segmentation and easy configuration

Specs at a glance

- **Accuracy** +/- 5mm (0.2")
- **Process temperature** -40...+60°C (-40...+140°F)
- **Process pressure / max. overpressure limit** -1...3 bar (-14.5...43 psi)
- **Max. measurement distance** 10 m (32.8 ft)
- **Main wetted parts** PVDF, PBT/PC

from **€498.00**

Price as of 02.03.2025

More information and current pricing:

www.endress.com/FMR10B

Field of application: The Micropilot FMR10B supplies continuous non-contact level measurement with 80 GHz technology. It is the perfect match for basic applications in the Water & Wastewater industry as well as for Mining, Minerals & Metals and utilities across all industries. Guiding wizards guarantee simplicity in installation and commissioning. It is also ideal for limited space applications thanks to its compact design.

Features and specifications

Continuous / Liquids

Measuring principle

Level radar

Characteristic / Application

Water & Wastewater

(e.g. basins / channels / rivers /dams / lift stations /

storm water basins / pump control)

Utility applications in all industries

Storage tanks

Specialities

Bluetooth® commissioning

Operation and maintenance SmartBlue App

Supply / Communication

2-wire (4...20 mA)

Bluetooth® wireless technology and App (optional)

Frequency

W-Band (~80 Ghz)

Accuracy

+/- 5mm (0.2")

Ambient temperature

-40...+60°C

(-40...+140°F)

Process temperature

-40...+60°C

(-40...+140°F)

Process pressure / max. overpressure limit

-1...3 bar

(-14.5...43 psi)

Continuous / Liquids

Main wetted parts

PVDF, PBT/PC

Process connection

Thread:

G1", NPT1", G1-1/2", NPT1-1/2"

Max. measurement distance

10 m (32.8 ft)

Communication

4...20 mA

Bluetooth® wireless technology

Options

Remote operation via SmartBlue App using
Bluetooth®

Flooding protection tube

Different mounting possibilities

Application limits

Process temp. <-40°C (-40°F) or > 60°C (140°F) ->
FMR62B

Very aggressive media -> FMR62B

Turbulences, stilling well and bypass -> FMR62B

Strong foam and interfaces --> FMP5x

Continuous / Solids

Measuring principle

Level radar

Characteristic / Application

Utility applications in all industries

Storage tanks

Specialities

Bluetooth® commissioning

Operation and maintenance SmartBlue App

Continuous / Solids

Supply / Communication

2-wire (4...20 mA)
Bluetooth® wireless technology and App
(optional)

Frequency

W-Band (~80 GHz)

Accuracy

+/- 10 mm (0.39")

Ambient temperature

-40...+60°C
(-40...+140°F)

Process temperature

-40...+60°C
(-40...+140°F)

Process pressure / max. overpressure limit

-1...3 bar
(-14.5...43 psi)

Main wetted parts

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10 m (32.8 ft)

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Continuous / Solids

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More information www.endress.com/FMR10B