

Radar measurement Time-of-Flight Micropilot FMR10

Level measurement in liquids for water & wastewater and utilities in all industries



Benefits:

- Non-contact radar with Bluetooth® commissioning, operation and maintenance app
- Most compact radar due to unique radar chip design offering perfect fit in limited space applications
- Best price-performance-ratio radar
- Perfect application fit for water & wastewater and utilities in all industries (IP66, IP68 / NEMA4x /6P)
- Full PVDF body to resist outdoor conditions, sealed wiring and fully potted electronics eliminates water ingress and allows operation under harsh environmental conditions
- Easy setup with three main parameters suits for most applications
- Simple, safe and secure wireless remote access via Bluetooth®

from **€391.00**

Price as of 09.12.2021

More information and current pricing:

www.fr.endress.com/FMR10

Specs at a glance

- **Accuracy** +/- 5 mm (0,2")
- **Process temperature** -40...+60°C (-40...+140°F)
- **Process pressure absolute / max. overpressure limit** -1...3 bar (-14,50...43 psi)
- **Max. measurement distance** Standard: 8 m (26.2 ft) With flooding protection tube: 12 m (39.4 ft)
- **Main wetted parts** PVDF, PBT

Field of application: Micropilot FMR10 offers continuous non-contact level measurement and is a perfect application fit for the water & wastewater industry and utilities across all industries. FMR10 belongs to the first radars with Bluetooth® commissioning, operation and maintenance app. Signal curves can be shown via app on every

Bluetooth®-enabled smartphone or tablet (iOS, Android). With the compact design, thanks to unique chip, the device is ideal for limited space applications.

Features and specifications

Continuous / Liquids

Measuring principle

Level radar

Characteristic / Application

Simple applications in Water & Wastewater
Utility applications in all industries
Easy storage tanks

Specialities

Bluetooth® commissioning,
Operation and maintenance via SmartBlue
App

Supply / Communication

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

Frequency

K-band (~26 GHz)

Accuracy

+/- 5 mm (0,2")

Process temperature

-40...+60°C
(-40...+140°F)

Process pressure absolute / max. overpressure limit

-1...3 bar (-14,50...43 psi)

Main wetted parts

PVDF, PBT

Continuous / Liquids

Process connection

Thread:

G1", NPT1"; G1 1/2", NPT1 1/2"

Max. measurement distance

Standard: 8 m (26.2 ft)

With flooding protection tube: 12 m (39.4 ft)

Communication

Bluetooth® wireless technology

Certificates / Approvals

CSA C/US

Options

Flooding protection tube

Different mounting possibilities

Application limits

DK < 4:

FMR5x;

Turbulent surfaces:

FMR5x;

Ammoniacal gas phase:

FMR54 in stilling well;

Strong build-up formation:

FMR54 with air purge;

Only PTFE resistant:

FMR52;

Custody transfer measurement:

FMR5xx or NMR8x

More information www.fr.endress.com/FMR10