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®

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

from $538.00
Price as of 03/23/2021

More information and current pricing: www.us.endress.com/FMR10
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**

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**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)
Continuous / Liquids

**Process pressure absolute / max. overpressure limit**
-1...3 bar (-14.50...43 psi)

**Main wetted parts**
PVDF, PBT

**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
Continuous / Liquids

**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.us.endress.com/FMR10](http://www.us.endress.com/FMR10)