

Micropilot FWR30 - The cloud connected radar level sensor

From smart level monitoring to supply chain management



Benefits:

- Simplified solution from procurement to operations
- Full transparency in storage and transportation of liquids and solids
- Secure data transmission combined with a flexible, digital service portfolio
- Information access from everywhere at any time

Specs at a glance

- **Accuracy** ± 10 mm (0.39 in)
- **Process temperature** $-20^{\circ}\text{C} \dots +60^{\circ}\text{C}$ ($-4^{\circ}\text{F} \dots +140^{\circ}\text{F}$)
- **Max. measurement distance** 15 m (49 ft)
- **Main wetted parts** Housing: plastic PBT/ PC

More information and current pricing:

www.us.endress.com/FWR30

Field of application: Continuous simplicity from scratch. Our IIoT radar is a smart level transmitter with high-end technology in a cost-effective sensor. Together with the digital services Netilion Value, Netilion Inventory or SupplyCare Hosting, the wireless and battery powered level sensor, ensures reliable and remote level monitoring. The secure and certified solution provides access to information on asset and inventory status from everywhere at any time.

Features and specifications

Continuous / Liquids

Measuring principle

Level radar

Continuous / Liquids**Characteristic / Application**

Applications in all industries
Mobile and stationary storage tanks

Specialities

Commissioning and operation via digital services like "Netilion Value" or "SupplyCare Hosting"

Supply / Communication

Battery powered
Mobile connectivity with NB-IoT, LTE-M or 2G (fallback)

Frequency

80 GHz

Accuracy

±10 mm (0.39 in)

Process temperature

-20°C...+60°C (-4°F...+140°F)

Main wetted parts

Housing: plastic PBT/ PC

Process connection

None

Max. measurement distance

15 m (49 ft)

Communication

Wireless
Mobile connectivity with NB-IoT, LTE-M or 2G (fallback)

Options

Mounting bracket IBC/ pipe
Mounting bracket wall/ ceiling

Continuous / Liquids**Application limits**

DK <1.9

Metallized plastic tanks

Continuous / Solids**Measuring principle**Level radar solid

Characteristic / Application

Applications in all industries

Mobile and stationary plastic and metal tanks (IBC tanks, storage silos)

Reliable non-contact level measurement of solids in metal- and plastic containers

SpecialitiesCommissioning and operation via digital services like "Netilion Value", "Netilion Inventory" or "SupplyCare Hosting"

Supply / Communication

Battery powered

Mobile connectivity with NB-IoT, LTE-M or

2G (fallback)

Frequency80 GHz

Accuracy ± 10 mm (0.39 in)

Process temperature $-20^{\circ}\text{C} \dots +60^{\circ}\text{C}$ ($-4^{\circ}\text{F} \dots +140^{\circ}\text{F}$)

Main wetted partsHousing: plastic PBT/ PC

Process connection

Threads:

G 1 1/2", NPT 1 1/2"

Continuous / Solids

Max. measurement distance

15 m (49 ft)

Communication

Wireless

Mobile connectivity with NB-IoT, LTE-M or
2G (fallback)

Options

Mounting bracket IBC/ pipe

Mounting bracket wall/ ceiling

Application limits

DK <1.9

Non-invasive measurement in metallized plastic tanks

More information www.us.endress.com/FWR30