

# 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**  $\pm 10$  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.endress.com/FWR30](http://www.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

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**Continuous / Liquids****Characteristic / Application**

Applications in all industries

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

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**Specialities**

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

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**Supply / Communication**

Battery powered

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

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**Frequency**

80 GHz

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**Accuracy**

±10 mm (0.39 in)

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**Process temperature**

-20°C...+60°C (-4°F...+140°F)

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**Main wetted parts**

Housing: plastic PBT/ PC

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**Process connection**

None

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**Max. measurement distance**

15 m (49 ft)

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**Communication**

Wireless

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

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**Options**

Mounting bracket IBC/ pipe

Mounting bracket wall/ ceiling

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**Continuous / Liquids****Application limits**

DK <1.9  
Metallized plastic tanks

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**Continuous / Solids****Measuring principle**

Level radar solid

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**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

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**Specialities**

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

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**Supply / Communication**

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

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**Frequency**

80 GHz

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**Accuracy**

±10 mm (0.39 in)

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**Process temperature**

-20°C...+60°C (-4°F...+140°F)

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**Main wetted parts**

Housing: plastic PBT/ PC

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**Process connection**

Threads:  
G 1 1/2", NPT 1 1/2"

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## Continuous / Solids

### Max. measurement distance

15 m (49 ft)

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### Communication

Wireless

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

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### Options

Mounting bracket IBC/ pipe

Mounting bracket wall/ ceiling

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### Application limits

DK <1.9

Non-invasive measurement in metallized plastic tanks

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