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°C...+60°C (-4°F...+140°F)
- **Max. measurement distance** 15 m (49 ft)
- **Main wetted parts** Housing: plastic PBT/PC

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

#### Specialities
- Commissioning 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)

#### 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
- 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](http://www.us.endress.com/FWR30)