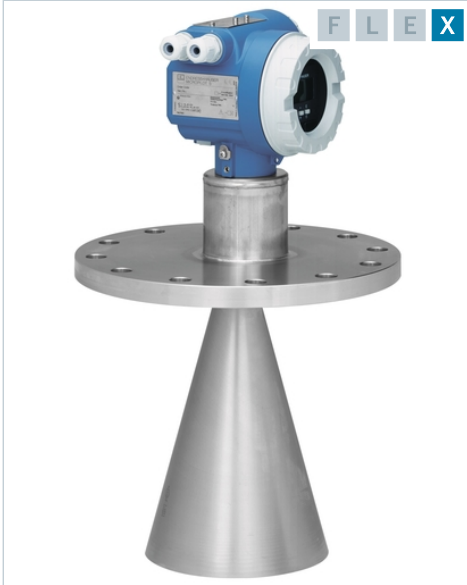


# Micropilot S FMR530



More information and current pricing:

[www.cz.endress.com/FMR530](http://www.cz.endress.com/FMR530)

## Benefits:

- 0.5mm accuracy ( $2\sigma$  value)
- National approvals (NMI, PTB) for custody transfer
- Applicable as stand-alone system or integrated tank gauging systems via the Tank Side Monitor NRF590
- Easy on-site operation via menu-driven alphanumeric display
- Easy commissioning, documentation and diagnostics via FDT/DTM technology (FieldCare)
- Application-specific antenna selection
- Gastight process connection (second line of defense) standard for any antenna version

## Specs at a glance

- **Accuracy** +/- 1 mm
- **Process temperature** -40 °C ... 200 °C (-40 °F ... 392 °F)
- **Process pressure absolute / max. overpressure limit** Vacuum ... 64 bar (Vacuum ... 580 psi)
- **Max. measurement distance** Max. measurement distance
- **Main wetted parts** 316Ti

**Field of application:** The Micropilot FMR530 is used for highly accurate non-contact level measurement in storage tanks and can be applied in custody transfer applications. It meets the relevant requirements according to OIML R85 and API 3.1B. The FMR530 free space radar offers cost-effective and simple installation via 4-wire cable with HART and 24 V DC intrinsically safe power supply.

## Features and specifications

Continuous / Liquids

Measuring principle

Level radar

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**Continuous / Liquids****Supply / Communication**4-wire (HART)

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**Frequency**C-band (~6 GHz)

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**Accuracy**+/- 1 mm

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**Ambient temperature**

Standard:

-40 °C ... 80 °C

(-40 °F ... 176 °F)

For calibration to regulatory standards:

-25 °C ... 60 °C

(-13 °F ... 131 °F)

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**Process temperature**

-40 °C ... 200 °C

(-40 °F ... 392 °F)

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**Process pressure absolute / max. overpressure  
limit**

Vacuum ... 64 bar

(Vacuum ... 580 psi)

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**Main wetted parts**316Ti

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**Process connection**DN150 ... DN250 / 3" ... 10"

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**Application**Application

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**Max. measurement distance**Max. measurement distance

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## Continuous / Liquids

### Communication

4 ... 20 mA HART

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### Certificates / Approvals

ATEX, FM, CSA, IEC Ex, NEPSI

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### Safety approvals

Overfill prevention WHG

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### Marine approval

GL/ ABS

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### Application limits

Application limits

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