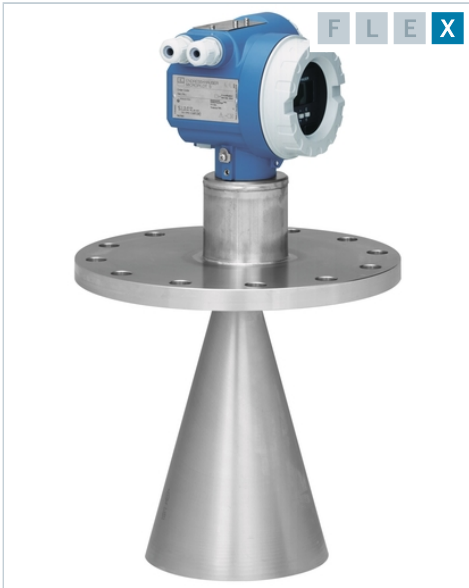


Micropilot S FMR530



More information and current pricing:

www.si.endress.com/FMR530

Benefits:

- 0.5mm accuracy (2σ 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

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

FrequencyC-band (~6 GHz)

Accuracy+/- 1 mm

Ambient temperature

Standard:

-40 °C ... 80 °C

(-40 °F ... 176 °F)

For calibration to regulatory standards:

-25 °C ... 60 °C

(-13 °F ... 131 °F)

Process temperature

-40 °C ... 200 °C

(-40 °F ... 392 °F)

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

Vacuum ... 64 bar

(Vacuum ... 580 psi)

Main wetted parts316Ti

Process connectionDN150 ... DN250 / 3" ... 10"

ApplicationApplication

Max. measurement distanceMax. measurement distance

Continuous / Liquids

Communication

4 ... 20 mA HART

Certificates / Approvals

ATEX, FM, CSA, IEC Ex, NEPSI

Safety approvals

Overfill prevention WHG

Marine approval

GL/ ABS

Application limits

Application limits

More information www.si.endress.com/FMR530