Capacitance Level measurement
Liquicap FMI21
For continuous level measurement in conductive liquids

Benefits:
- Safe and reliable function regardless of tank geometry
- No calibration necessary (factory preconfiguration)
- High quality, non-corrosive materials (carbon fibre, stainless steel) for use in aggressive liquids
- No moving parts in tank
- Cost-effective solution for continuous level measurement
- Optimized storage by simply shortening the probe rods on site

Specs at a glance
- **Accuracy** < 1%
- **Process temperature** -40 °C ... 100 °C (-40 °F ... 212 °F)
- **Process pressure / max. overpressure limit** Vacuum ... 10 bar (Vacuum ... 145 psi)
- **Max. measurement distance** 2.5 m (8 ft)
- **Main wetted parts** Probe rods: 316L/1.4404 / PP Option: carbon fibre PP coated

Field of application: Liquicap FMI21 is a simple and cost-effective rod probe for continuous level measurement for conductive liquids. High quality non-corrosive materials (carbon fibre, stainless steel) make it suitable even for aggressive liquids (e.g. acids and alkalis). Used in conjunction with the Fieldgate FXA320 (remote measured value interrogation using Internet technology), Liquicap is an ideal solution for Inventory Management Solutions.

Features and specifications

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from **$546.01**
Price as of 02/04/2024

More information and current pricing: [www.us.endress.com/FMI21](http://www.us.endress.com/FMI21)
Continuous / Liquids

**Measuring principle**
Capacitive

**Characteristic / Application**
Two-rod probe
Preconfigured from factory 0%...100%
High quality, non-corrosive materials (carbon fibre, stainless steel)
Suitable for aggressive liquids (many acids and alkalis)

**Specialities**
Probe shorting kit available

**Supply / Communication**
10 ... 30VDC

**Accuracy**
< 1%

**Ambient temperature**
-40 °C ... 70 °C  
(-40 °F ... 158 °F)

**Process temperature**
-40 °C ... 100 °C  
(-40 °F ... 212 °F)

**Process pressure / max. overpressure limit**
Vacuum ... 10 bar  
(Vacuum ... 145 psi)

**Main wetted parts**
Probe rods:
316L/1.4404 / PP
Option: carbon fibre PP coated

**Process connection**
G 1½
NPT 1½
## Continuous / Liquids

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<td>Total length of probe 2.5 m</td>
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<td><strong>Max. measurement distance</strong></td>
<td>2.5 m (8 ft)</td>
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<td>Changing, non-conductive media, conductivity</td>
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<td>&lt; 3 0 μS/cm</td>
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<td>Highly viscous liquids</td>
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<td>&gt; 2 000 cst</td>
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More information [www.us.endress.com/FMI21](http://www.us.endress.com/FMI21)