

# Capacitance Level measurement Liquicap FMI21

For continuous level measurement in  
conductive liquids



from **€274.00**

Price as of 23.01.2022

More information and current pricing:

[www.si.endress.com/FMI21](http://www.si.endress.com/FMI21)

## 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 absolute / 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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**Continuous / Liquids****Measuring principle**Capacitive

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**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)

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**Specialities**Probe shorting kit available

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

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**Accuracy**< 1%

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**Ambient temperature**

-40 °C ... 70 °C

(-40 °F ... 158 °F)

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**Process temperature**

-40 °C ... 100 °C

(-40 °F ... 212 °F)

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

Vacuum ... 10 bar

(Vacuum ... 145 psi)

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**Main wetted parts**

Probe rods:

316L/1.4404 / PP

Option: carbon fibre PP coated

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**Process connection**

G 1½

NPT 1½

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## Continuous / Liquids

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### Sensor length

Total length of probe 2.5 m

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### Max. measurement distance

2.5 m (8 ft)

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### Communication

4 ... 20 mA

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### Certificates / Approvals

ATEX, CSA, CSA C/US

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### Safety approvals

Overfill prevention WHG

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### Options

Display

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### Application limits

Changing, non-conductive  
media, conductivity

< 30  $\mu\text{S}/\text{cm}$

Highly viscous liquids

> 2 000 cst

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