

Capacitance Level measurement Liquicap FMI21

For continuous level measurement in
conductive liquids



from **€311.00**

Price as of 23.09.2023

More information and current pricing:

www.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 / 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

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)

SpecialitiesProbe shorting kit available

Supply / Communication10 ... 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

Sensor length

Total length of probe 2.5 m

Max. measurement distance

2.5 m (8 ft)

Communication

4 ... 20 mA

Certificates / Approvals

ATEX, CSA, CSA C/US

Safety approvals

Overfill prevention WHG

Options

Display

Application limits

Changing, non-conductive
media, conductivity

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

Highly viscous liquids

> 2 000 cst

More information www.endress.com/FMI21