

Liquiphant T FTL20



More information and current pricing:

www.es.endress.com/FTL20

Benefits:

- Operational safety, reliability and universal applicability through use of the tuning fork measuring principle
- Measurement is unaffected by conductivity, build-up, turbulence, flows or air bubbles
- Simple and fast commissioning. No calibration required
- No mechanically moved parts, free of maintenance
- Safe function due to self-monitoring (active frequency monitoring of the fork)
- Easy recurring function test via test magnet
- Suitable for constricted space due to compact design

Specs at a glance

- **Process temperature** -40 °C ... 150 °C (-40 °F ... 302 °F)
- **Process pressure / max. overpressure limit** Vacuum ... 40 bar (Vacuum ... 580 psi)
- **Min. density of medium** 0,7g/cm³ (0,5g/cm³ optional)

Field of application: Liquiphant FTL20 is a point level switch with compact design. FTL20 is used in tanks, containers and pipelines, in cleaning and filtering systems and coolant and lubricant tanks as an overflow prevention or as a pump dry-run protector. The FTL20 is ideal for applications which previously used float switches and conductive, capacitive and optical sensors. Functional check in installed state per magnet from the outside possible.

Features and specifications

Point Level / Liquids

Measuring principle

Point Level / Liquids**Characteristic / Application**

most compact device
media independent
Focus factoryautomation

Supply / Communication

19 ... 253V AC
10 ... 35V DC-PNP
ASI-Bus

Ambient temperature

-40 °C ... 70 °C
(-40 °F ... 158 °F)
ASi -25 °C ... 70 °C
(ASi -13 °F ... 158 °F)

Process temperature

-40 °C ... 150 °C
(-40 °F ... 302 °F)

Process pressure / max. overpressure limit

Vacuum ... 40 bar
(Vacuum ... 580 psi)

Min. density of medium

0,7g/cm³
(0,5g/cm³ optional)

Main wetted parts

316L

Process connection

G1/2A, G3/4A, G1A, NPT1/2", NPT3/4", R1/2",
R3/4"

Process connection hygienic

Flush mount by use of weld in adapter

Point Level / Liquids

Sensor length

64mm (2.52")

Communication

AC, DC-PNP, ASi

Certificates / Approvals

CSA

WHG/ Overfill prevention

GL Marine

Railway approval

Successor

Product phase out planned,

Successor FTL31

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