

# Liquiphant T FTL20



More information and current pricing:

[www.ch.endress.com/FTL20](http://www.ch.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 absolute / max. overpressure limit** Vacuum ... 40 bar (Vacuum ... 580 psi)
- **Min. density of medium** 0,7g/cm<sup>3</sup> (0,5g/cm<sup>3</sup> 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

Vibration Liquids

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**Point Level / Liquids****Characteristic / Application**

most compact device  
media independent  
Focus factoryautomation

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**Supply / Communication**

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

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**Ambient temperature**

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

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**Process temperature**

-40 °C ... 150 °C  
(-40 °F ... 302 °F)

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

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

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**Min. density of medium**

0,7g/cm<sup>3</sup>  
(0,5g/cm<sup>3</sup> optional)

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**Main wetted parts**

316L

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**Process connection**

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

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**Process connection hygienic**

Flush mount by use of weld in adapter

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## Point Level / Liquids

### Sensor length

64mm (2.52")

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### Communication

AC, DC-PNP, ASi

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### Certificates / Approvals

CSA

WHG/ Overfill prevention

GL Marine

Railway approval

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### Successor

Product phase out planned,

Successor FTL31

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