

Vibronic

Point level detection

Liquiphant FTL31

Point level switch for liquids in compact design with stainless steel housing



from **€188.00**

Price as of 19.08.2025

More information and current pricing:

www.endress.com/FTL31

Benefits:

- Designed according to highest requirements to quality and environmental sustainability. The self-monitoring Liquiphant offers safe switching also in case of power supply loss.
- Independent of changing media properties an accurate switching point is offered. IO-Link reduces costs and complexity due to easy configuration of the devices via engineering tools
- A real plug & play sensor is offered without any need for adjustment even with changing media. Measurement is unaffected by conductivity, build-up, turbulence, flows or air bubbles
- No calibration is required, no specific know-how or tools (e.g. software) necessary
- Robust design made of stainless steel (316L) assures highest durability
- A modular design offers different process temperatures and the widest variety of process connections and accessories in the market to fit every application
- No mechanically moved parts, free of maintenance

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 FTL31 is a point level switch for liquids. The FTL31 is designed for industrial applications in all industries, mainly the machinery industry. The Liquiphant is used for overfill protection or pump dry-run protection in cleaning systems. The IO-Link capability

allows easy parameter setting. **Compact:** - Smallest vibronic sensor in the market **Safe:** - Continuous self-monitoring -Reliable switching independent of media properties **Easy:** - No calibration - Plug & play - IO-Link connectivity

Features and specifications

Point Level / Liquids

Measuring principle

Vibration Liquids

Characteristic / Application

Level switch for liquids and is used in tanks, vessels and pipes.

Supply / Communication

20 ... 253V AC/DC, 2-wire

10 ... 30V DC-PNP 3-wire

Ambient temperature

-40 °C ... 70 °C

(-40 °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

Point Level / Liquids

Process connection

Threads:

G1/2, G3/4, G1, MNPT1/2, MNPT3/4, MNPT1, R1/2, R3/4, R1

Communication

AC/DC, DC-PNP

Certificates / Approvals

CSA C/US, EAC

Safety approvals

Overfill protection WHG

Leakage

Design approvals

EN 10204-3.1

Marine approval

ABS/ LR/ BV/ DNV

Options

Adjustment switching delay

Cleaned from oil+grease,

PWIS free

More information www.endress.com/FTL31