

# Liquiphant FTL41

The vibronic level switch in basic applications reduces complexities in your plant



More information and current pricing:

[www.at.endress.com/FTL41](http://www.at.endress.com/FTL41)

## Benefits:

- One measuring system for any liquid. Simple to use with plug and play functionality based on active sensor technology
- Better long-term stability compared to float switches due to no mechanically moving parts
- Repeatability of switching point
- Universal use in all pumpable liquids
- No need of maintenance

## 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** 0.5 g/cm<sup>3</sup> (0.4 g/cm<sup>3</sup> optional)

**Field of application:** Over 6 million installed Liquiphant point level switches in the field worldwide prove the day-to-day reliability of this device. With its active sensor technology you always be sure that your device is working correctly. In addition there is no need of adjustment to different media.

## Features and specifications

Point Level / Liquids

**Measuring principle**

Vibration Liquids

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

Compact vibronic device with an optional pipe extension up to 2 m;  
Modular housing concept;  
Wide range of certificates

---

**Specialities**

RFID TAG for easy identification,  
Plug and play functionalities

---

**Supply / Communication**

10...55V / DC-PNP 3-wire  
19...253V AC or 19...55V DC / relays  
NAMUR

---

**Ambient temperature**

-40 °C...+70 °C  
(-40 °F...+158 °F)

---

**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**

0.5 g/cm<sup>3</sup>  
(0.4 g/cm<sup>3</sup> optional)

---

**Main wetted parts**

316L

---

---

**Point Level / Liquids****Process connection**

Threads:

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

Flanges:

DN25...DN100

ASME 1"...4"

JIS 25A...50A

---

**Process connection hygienic**

Tri-Clamp ISO2852

---

**Sensor length**

Up to 2 m

---

**Communication**

DC-PNP 3-wire

Relays

NAMUR

---

**Certificates / Approvals**

ATEX, IEC Ex, CSA, NEPSI

---

**Safety approvals**

Overfill protection WHG

---

**Design approvals**

EN 10204-3.1

ASME B31.3 Process Piping

CRN

---

**Marine approval**

ABS/ LR/ BV/ DNV GL

---

**Components**

FTL325N Interface NAMUR

---

More information [www.at.endress.com/FTL41](http://www.at.endress.com/FTL41)