The Liquiphant FTL64 ensures long term reliable detection

A level switch for hot and pumpable liquids

More information and current pricing:

www.endress.com/FTL64

Benefits:

- Universal measuring principle for limit detection – proven vibronic technology
- Developed according IEC 61508 for highest safety – SIL2/3 applications (3rd party approved)
- Periodic proof testing is quickly and simple organized with guided wizards via the SmartBlue-App or via a test button or magnetic pin from outside. Via these ways, you can initiate the instrument for a fast and easy testing of the safety loop
- Heartbeat Technology allows safe, continuous diagnostics and a simple verification
- **Heartbeat Diagnostics:** Permanent diagnostics increase the safety of the plant. You connect your device via the SmartBlue-App and you easily have real time diagnostics at hand
- **Heartbeat Verification:** The device can be verified without process interruption. The verification report is generated automatically
- **Heartbeat Monitoring:** With the frequency tracking of the sensor data you have all information at hand for predictive maintenance and process optimization strategies

Specs at a glance

- **Process temperature** -60 ˚C...+280 ˚C (-76 ˚F...+536 ˚F)
- **Process pressure absolute / max. overpressure limit** Vacuum...100 bar Vacuum...1450 psi
- **Min. density of medium** 0.5 g/cm³ (0.4 g/cm³ optional)

Field of application: Liquiphant FTL64 has a strong focus on high temperature applications and simplicity with easy proof testing, reliability and safety (SIL) with compliance to IEC 61508, API 2350 and WHG. The vibronic device is determined for a safe and active measuring technology in applications with high temperatures and want a reliable and proven

Endress+Hauser

point level detection for tank overfill prevention and pump dry run protection. The FTL64 is easy to use, has a digital connection and gives a real-time data at hand

Features and specifications

Point Level / Liquids

Measuring principle

Vibration Liquids

Characteristic / Application

Compact vibronic device for high pressure and high temperature applications,
Optional extension tube up to 6 m (19.7 ft),
Modular housing concept,
Wide range of certificates

Specialities

Heartbeat Technology,
Bluetooth® Operation and maintenance SmartBlue App,
LED Module,
RFID TAG for easy identification,
Second line of defense,
Temperature spacer for high process temperature,
Plug and play functionalities

Supply / Communication

19...253V AC / 2-wire,
10...55V / DC-PNP 3-wire,
9...20V DC with relay DPDT,
19...253V AC or 19...55V DC with relay DPDT,
2-wire NAMUR,
2-wire PFM

Ambient temperature

-60 ℃...+70 ℃
(-76 ℉...+158 ℉)

Point Level / Liquids

Process temperature

-60 °C...+280 °C

(-76 °F...+536 °F)

Process pressure absolute / max. overpressure limit

Vacuum...100 bar

Vacuum...1450 psi

Min. density of medium

0.5 g/cm³

(0.4 g/cm³ optional)

Main wetted parts

316L

Alloy

Process connection

Threads:

3/4", 1"

Flanges:

DN25...DN100

ASME 1"...4"

JIS 50A

Sensor length

up to 6 m (19.7 ft)

Communication

2-wire direct load

DC-PNP 3-wire

Relays

NAMUR

PFM

Bluetooth® wireless technology

Certificates / Approvals

ATEX, IEC Ex, NEPSI, EAC Ex

Point Level / Liquids

Safety approvals
Overfill protection WHG
SIL2/ SIL 3 according to IEC 61508

Design approvals
EN 10204-3.1
NACE MR0175, MR0103
ASME B31.3 Process Piping
AD2000
CRN

Marine approval
ABS/ LR/ BV/ DNV GL

Options
Ambient temperature down to -60 ℃ (-76 ℉),
Heavy duty stainless steel housing,
Coating PFA (conductive)

Components
FTL325P Interface PFM
FTL325N Interface NAMUR

More information **www.endress.com/FTL64**