

The Liquiphant FTL64 ensures long term reliable detection

A level switch for hot and pumpable liquids



More information and current pricing:

www.us.endress.com/FTL64

Benefits:

- Universal measuring principle for limit detection – proven vibronic technology
- Developed according to 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** -50 °C...+280 °C (-58 °F...+536 °F)
- **Process pressure absolute / max. overpressure limit** Process pressure absolute / max. overpressure limit
- **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

point level detection for tank overflow 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

Characteristic / Application

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

Point Level / Liquids**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 °C...+70 °C

(-51 °F...+158 °F)

Process temperature

-50 °C...+280 °C

(-58 °F...+536 °F)

Process pressure absolute / max. overpressure limit

Process pressure absolute / max. overpressure limit

Min. density of medium0.5 g/cm³(0.4 g/cm³ optional)

Main wetted partsMain wetted parts

Point Level / Liquids**Process connection**

Threads:

3/4", 1"

Flanges:

DN25...DN100

ASME 1"...4"

JIS 50A

Sensor length

Sensor length

Communication

2-wire direct load

DC-PNP 3-wire

Relays

NAMUR

PFM

Bluetooth® wireless technology

Certificates / Approvals

ATEX, IEC Ex

Safety approvals

Safety approvals

Design approvals

Design approvals

Point Level / Liquids

Options

Options

Components

Components

More information www.us.endress.com/FTL64