

Liquiphant FTL43 – hygienic point level switch for liquids

Proven in the field, particularly compact and perfectly suitable for hygienic applications



Benefits:

- Outstanding ease of use due to easy commissioning with plug & play functionality
- Improved process and product safety through configuration integrity - a checksum algorithm (CRC) ensures that safety relevant parameters remain unchanged
- Increased productivity thanks to traceable and documented on-demand verification without process interruption and continuous diagnostics with Heartbeat Technology
- Documented compliance through certified hygienic design as well as proven material conformity and traceability
- User-friendly operation with guided wizards and a wide range of digital communication options

More information and current pricing:

www.endress.com/FTL43

Specs at a glance

- **Process temperature** -40 °C...+150 °C (-40 °F...+302 °F)
- **Process pressure / max. overpressure limit** Vacuum...64 bar (Vacuum...928 psi)
- **Min. density of medium** 0.5 g/cm³ (25.0 lb/ft³) (0.4 g/cm³ (31.2 lb/ft³) optional)

Field of application: The Liquiphant FTL43 is a point level switch for liquids and part of the Compact Line. The product line is especially developed for hygienic applications and combines compact design with full performance. The proven vibronic technology works reliably in all pumpable liquids, without media adjustment. The Liquiphant FTL43 is distinguished by its ease of use with plug & play functionality and a wide range of digital communication options.

Features and specifications

Point Level / Liquids

Measuring principle

Vibration Liquids

Characteristic / Application

Advanced device for point level detection
in hygienic/aseptic applications.

Focus Food & Beverage and Life Sciences.

Compact sensor version with an optional pipe extension up to 1,5 m (5
ft).

Compact hygiene housing.

Wide range of certificates.

Specialities

Plug and play functionalities

One-Button Operation

Heartbeat Technology

IO-Link

Bluetooth® Operation and maintenance

Surface finish: mechanical or electro-polished

Supply / Communication

12...30V DC-PNP

IO-Link

8/16mA HART

Ambient temperature

-40 °C...+85 °C

(-40 °F...+185 °F)

Process temperature

-40 °C...+150 °C

(-40 °F...+302 °F)

Process pressure / max. overpressure limit

Vacuum...64 bar

(Vacuum...928 psi)

Point Level / Liquids**Min. density of medium**0.5 g/cm³ (25.0 lb/ft³)(0.4 g/cm³ (31.2 lb/ft³) optional)

Main wetted parts

316L

Process connection

Threads (for weld-in adapter):

G3/4A, G1A

Flanges:

DN25...DN50 (EN1092-1)

NPS 2" Cl.150 (ASME B16.5, RF)

Process connection hygienic

Tri-Clamp

DIN 11851, DIN11864-1

Ingold

Flush mount

DRD

SMS1145

Varivent (Varinline)

Sensor length

Compact sensor

Short tube/Preferential length

148mm...1500mm (6,00...59")

Communication

IO-Link

HART

Bluetooth® wireless technology

Certificates / Approvals

ATEX, IEC Ex, CSA C/US, JPN Ex, KC Ex,

INMETRO Ex, NEPSI Ex/CCC, UK Ex

Point Level / Liquids

Safety approvals

Overfill protection WHG

Design approvals

Inspection certificate 3.1, EN10204

Conformity to cGMP

Declaration of Conformity ASME B31.3

AD2000

CRN approval

Hygienic approvals

3-A

EHEDG

CoC-ASME BPE

EU Food Contact Material (EC) 1935/2004

US Food Contact Material FDA CFR 21

CN Food Contact Material GB 4806

Options

Customized settings

Weld-in adapter

Components

RN22

RN42

SFP20

More information www.endress.com/FTL43