

Vibronic

Point level detection

Liquiphant FTL85

Coated point level switch for liquids for FailSafe overflow prevention



Lợi ích:

- Use in safety systems requiring functional safety to SIL3 in accordance with IEC 61508 Ed.2.0/ IEC 61511-1/ISA 84-1 and DIN EN ISO 13849
- Proof test: proof testing interval up to 12 years, Slave devices tested at the press of a button
- Permanent self-monitoring/internal redundancy
- 4-20mA interface (acc. to NAMUR NE 06/NE 43): easy integration via the switching unit (Nivotester FailSafe FTL825) with a two-channel output (safety contacts) and locking function or direct integration into a safety PLC
- No adjustment: quick, low-cost startup
- No mechanically moving parts: no maintenance, no wear, long operating life
- Monitoring of fork for damage, corrosion, buildup and mechanical blocking

Thông tin thêm và mức tính giá hiện tại:

www.apsc.endress.com/FTL85

Tổng quan về thông số kỹ thuật

- **Process temperature** $-50^{\circ}\text{C} \dots +150^{\circ}\text{C}$ ($-58^{\circ}\text{F} \dots +300^{\circ}\text{F}$)
- **Process pressure / max. overpressure limit** Vacuum...40 bar (580 psi)
- **Min. density of medium** Density from 0.4 g/cm³ (0.4 SGU)

Phạm vi ứng dụng: Liquiphant FTL85 is a coated point level switch for use in hazardous areas with all international certificates. FailSafe overflow prevention in applications with functional safety up to SIL3 with one device. With high corrosion-resistant coating made of enamel, ECTFE and various PFA materials. Reliable measurement values, not affected by:

changing media properties, flow, turbulences, gas bubbles, foam, vibrations or build-up.

Tín năng và thông số kỹ thuật

Point Level / Liquids

Measuring principle

Vibration Liquids

Characteristic / Application

Coated point level switch for MIN and MAX safety applications up to SIL3,
Dual Sealing/ Second line of defense,
Modular housing concept

Specialities

Outstanding features:

- permanent LIVE signal monitors function safety
- failsafe design and
- high availability of the measuring values

Supply / Communication

2-wire 4...20 mA

Ambient temperature

-50°C...+70°C
(-58°F...+160°F)

Process temperature

-50°C...+150°C
(-58°F...+300°F)

Process pressure / max. overpressure limit

Vacuum...40 bar
(580 psi)

Min. density of medium

Density from 0.4 g/cm³
(0.4 SGU)

Point Level / Liquids

Main wetted parts

With high corrosion-resistant coating made of enamel, ECTFE and various PFA materials

Process connection

Flange:
DN25...DN100,
ASME 1"...4",
JIS 10K...20K

Sensor length

Extension pipe up to 3 m (9.8 ft)

Communication

2-wire 4...20 mA

Certificates / Approvals

ATEX, FM, CSA, CSA C/US, IEC Ex, NEPSI, EAC

Safety approvals

Overfill protection WHG
Leakage Detection
SIL3

Options

AlloyC Material
PWIS free
Pressure tight feed through
Weather protection

Components

Nivotester FTL825, Transmitter

Thông tin bổ sung www.apsc.endress.com/FTL85