

Vibronic

Point level detection

Nivotester FTL325P

Switching unit with intrinsically safe signal circuit for connection to Liquiphant or Soliphant



Benefits:

- Nivotester FTL325P for connecting one, two or three measuring cells (1-, 2- or 3-channel devices)
- Intrinsically safe signal circuits Ex ia for use of measuring sensor in explosion hazardous areas
- Functional safety up to SIL2 through line monitoring. Simplified proof testing to WHG/SIL by pressing push-button
- DIN Rail housing for simple series installation on standard rails in switch cabinet
- Simple wiring using pluggable terminal blocks
- Inputs are galvanically isolated from each other, from the mains and from the outputs

More information and current pricing:

www.apsc.endress.com/FTL325P

Field of application: The switching unit FTL325P is used for point level detection in liquid tanks and bulk material silos, also in hazardous explosion areas. Also suitable for liquid detection in pipes for dry running protection for pumps and overfill prevention for tanks with combustible or non-combustible liquids harmful to water. Up to 3 measuring devices for two-point control and point level detection. Functional safety up to SIL3 in accordance to IEC 61508 using Liquiphant with electronic insert FEL57.

Features and specifications

Point Level / Solids**Measuring principle**Vibration Solids

Characteristic / Application

Switching unit PFM technology for rail
mounting
Intrinsically safe

Supply / Communication

85...253 V AC,

20...30 V AC / 20...60 V DC

Ambient temperature

Single installation:

-20 °C ... 60 °C

(-4°F ... 140 °F)

Rail mounting:

-20 °C ... 50 °C

(-4 °F ... 122 °F)

Communication

1 Channel: 1 Level SPDT + 1 Alarm SPST

3 Channel: 3 level SPDT + 1 Alarm SPST

Certificates / ApprovalsATEX, FM, CSA, IEC Ex, TIIS, INMETRO, NEPSI

Safety approvals

Overfill prevention WHG

SIL

Point Level / Liquids**Measuring principle**Vibration Liquids

Point Level / Liquids

Characteristic / Application

Switching unit PFM technology for rail mounting
Intrinsically safe
Highest SIL safety

Specialities

If sensors are redundant, SIL3

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ATEX, FM, CSA, IEC Ex, TIIS, INMETRO, NEPSI,
EAC

Safety approvals

Overfill prevention WHG

SIL

More information www.apsc.endress.com/FTL325P