

# 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.in.endress.com/FTL325P](http://www.in.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 overflow 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

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

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**Characteristic / Application**

Switching unit PFM technology for rail  
mounting  
Intrinsically safe

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**Supply / Communication**

85...253 V AC,

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

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**Ambient temperature**

Single installation:

-20 °C ... 60 °C

(-4 °F ... 140 °F)

Rail mounting:

-20 °C ... 50 °C

(-4 °F ... 122 °F)

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**Communication**

1 Channel: 1 Level SPDT + 1 Alarm SPST

3 Channel: 3 level SPDT + 1 Alarm SPST

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**Certificates / Approvals**ATEX, FM, CSA, IEC Ex, TIIS, INMETRO, NEPSI

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**Safety approvals**

Overfill prevention WHG

SIL

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

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## Point Level / Liquids

### Characteristic / Application

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

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### Specialities

If sensors are redundant, SIL3

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### Supply / Communication

85...253 V AC,

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

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### Ambient temperature

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### Communication

1 Channel: 1 Level SPDT + 1 Alarm SPST

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### Certificates / Approvals

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

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### Safety approvals

Overfill prevention WHG

SIL

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More information [www.in.endress.com/FTL325P](http://www.in.endress.com/FTL325P)