

# Vibronic

## Point level detection

### Soliphant FTM20

## Compact limit switch for bulk solids



from **€288.00**

Price as of 02.12.2021

More information and current pricing:

[www.at.endress.com/FTM20](http://www.at.endress.com/FTM20)

#### Benefits:

- Operational safety, reliability and universal applicability through use of the tuning fork measuring principle
- Measurement is unaffected by conductivity, build-up, turbulence, flows or air bubbles
- Simple and fast commissioning, no calibration required
- No mechanically moved parts, free of maintenance
- Safe function due to self-monitoring (active frequency monitoring of the fork)
- Easy recurring function test via test magnet
- Suitable for constricted space due to compact design

#### Specs at a glance

- **Process temperature** -40°C ... 150°C (-40°F ... 300°F)
- **Process pressure absolute / max. overpressure limit** Vacuum ... 25 bar (Vacuum ... 360 psi)
- **Min. density of medium** 200 g/l

**Field of application:** Soliphant FTM20 is a point level switch for applications with fine-grained or coarse-grained, non-fluidized bulk solids. The various designs means the device has a wide range of applications. Certificates are also available for use in dust and hazardous areas.

#### Features and specifications

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

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**Characteristic / Application**

Point level switch for fine grained solids

Single rod

Universal

No calibration required

Not affected by build-up or external vibration

Robust

Switch value visible from outside

Compact

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**Specialities**Grain size  $\leq 25$  mm ( $< 0.98$  in)

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**Supply / Communication**

10 - 45V DC

19 - 253 VAC relay

DC PNP 10 - 45 V

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**Ambient temperature**

-40°C ... 70°C

(-40 °F ... 160 °F)

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**Process temperature**

-40°C ... 150°C

(-40°F ... 300°F)

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**Process pressure absolute / max. overpressure limit**

Vacuum ... 25 bar

(Vacuum ... 360 psi)

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**Min. density of medium**200 g/l

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**Main wetted parts**316L

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## Point Level / Solids

### Process connection

Thread

R 1"

R 1 1/2"

1 1/4" NPT

1 1/2" NPT

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### Sensor length

225 mm (9")

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### Communication

DPDT relay

DC PNP max 350mA

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### Certificates / Approvals

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

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### Application limits

Density: < 200 g/l

Grain size: > 25 mm (1")

Not for fluidised media

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More information [www.at.endress.com/FTM20](http://www.at.endress.com/FTM20)