

Vibronic

Point level detection

Soliphant FTM20

Compact limit switch for bulk solids



from **SGD564.00**

Price as of 05.08.2021

More information and current pricing:

www.sg.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

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

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

SpecialitiesGrain size ≤ 25 mm (< 0.98 in)

Supply / Communication

10 - 45V DC

19 - 253 VAC relay

DC PNP 10 - 45 V

Ambient temperature

-40°C ... 70°C

(-40 °F ... 160 °F)

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 medium200 g/l

Main wetted parts316L

Point Level / Solids**Process connection**

Thread

R 1"

R 1 1/2"

1 1/4" NPT

1 1/2" NPT

Sensor length

225 mm (9")

Communication

DPDT relay

DC PNP max 350mA

Certificates / ApprovalsATEX, FM, CSA, CSA C/US, IEC Ex, NEPSI, INMETRO,
EAC

Application limits

Density: < 200 g/l

Grain size: > 25 mm (1")

Not for fluidised media

More information www.sg.endress.com/FTM20