# Capacitance Point level detection Solicap FTI56

Point level detection for fine-grained to coarse-grained bulk solids

# FLEX

More information and current pricing: www.endress.com/FTI56

# **Benefits:**

- Extremely robust design for harsh process conditions
- Cost savings thanks to easy and fast commissioning as calibration is performed at the press of a button
- Universal application thanks to wide range of certificates and approvals
- Two-stage overvoltage protection against static discharges from the silo
- Increased safety due to permanent automatic monitoring of electronics
- Reduction in storage costs thanks to easy-to-shorten rod model (for partial insulation) and rope model (for partial and full insulation)

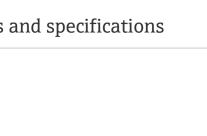
# Specs at a glance

- Process temperature -50°C ... 180°C (-58°F ... 356°F)
- Process pressure absolute / max. overpressure limit Vacuum ... 25 bar (Vacuum ... 362 psi)

Field of application: Solicap FTI56 is a fully/partly insulated and robust rope probe for point level detection of fine-grained to coarse-grained bulk solids. It offers maximum reliability and is suited for a wide range of applications thanks to numerous certificates and approvals. Due to its robust construction, it can also be used to provide accurate measurements in applications with very high tensile loads up to 60kN.

# Features and specifications

Endress+Hauser



# Point Level / Solids

### Measuring principle

Capacitive Solid

#### Characteristic / Application

Fully / partly isulated rope probe for small-grain / large-grain solids Simple calibration Suitable for abrasive media Very robust probe

#### Specialities

Inactive length High tensile loading Extremely robust probe

#### Supply / Communication

19 ... 253V AC 10 ... 55V DC-PNP 19...253V AC bzw 10...55V DC 8/16mA, 11 ... 36V DC PFM 3-wire

#### Ambient temperature

-50°C ... 70°C (-58°F ... 158°F)

#### **Process temperature**

-50°C ... 180°C (-58°F ... 356°F)

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

Vacuum ... 25 bar (Vacuum ... 362 psi)

#### Main wetted parts

PTFE, PA, 316L, Steel

# Point Level / Solids

### Max. tensile strength

60 kN

# **Process connection**

Thread R1 1/2, NPT1 1/2 Flanges from DN50.../ASME 2".../JIS...

# Sensor length

0.5m ... 22m (1.6ft ... 72ft) Inactive length: 0.1m....1m (3"...39")

# Communication

2- wire 19-253 VAC DC PNP Relais DPDT PFM 3-wire 8/16 mA

# Certificates / Approvals

ATEX, FM, CSA, IEC Ex, JPN Ex, NEPSI

# Safety approvals

SIL

# Components

PFM: FTC325, FTC625, FTC470Z, FTC471Z 3-wire: FTC325

# **Application limits**

DK min 2

More information www.endress.com/FTI56

