

Soliwave FQR50



More information and current pricing:

www.endress.com/FQR50

Benefits:

- Very reliable measurement thanks to adjustable sensitivity and indication of the signal strength on the receiver
- Mechanical robust solution ensures cost savings over the whole life cycle of the product: No wear and tear, long serviceable life, maintenance free
- Safe solution unaffected by process conditions and even suited for hazardous areas

Specs at a glance

- **Process temperature** Waves emitted from outside (non-contact): any Waves emitted within installation (contact): -20 °C ... 70 °C (-4°F ... 158 °F)
- **Process pressure / max. overpressure limit** Waves emitted from outside (contactless): any Waves emitted within installation (contact): 0.8 bar abs ... 4.8 bar abs (12 psi ... 70 psi)
- **Min. density of medium** Solid weight: > 10 g/l

Field of application: The Soliwave FQR50 microwave barrier uses a contact-free procedure for detection of point levels. It can be installed in containers, conduits, shafts or on free fall shafts. It is possible to take a measurement through non-metallic container materials from the outside. Suitable as point level switch for controlling and counting all types of bulk solids. It interacts with the Soliwave FDR50 receiver.

Features and specifications

Point Level / Solids

Measuring principle

Characteristic / Application

Contactless measurement

Microwave transmitter

Point Level / Solids**Supply / Communication**Transmitter

Ambient temperature

-20 °C ... 70 °C

(-4°F ... 158°F)

Process temperature

Waves emitted from outside (non-contact): any

Waves emitted within installation (contact):

-20 °C ... 70 °C

(-4°F ... 158 °F)

Process pressure / max. overpressure limit

Waves emitted from outside (contactless): any

Waves emitted within installation (contact):

0.8 bar abs ... 4.8 bar abs (12 psi ... 70 psi)

Min. density of mediumSolid weight: > 10 g/l

Main wetted parts

Within installation: Aluminium, PTFE

Or: non-contact

Process connection

1-1/2" G + NPT

or with waves emitted from outside / mounting from outside, walls of container must not be made of metal

Process connection hygienicWith waves emitted from outside

CommunicationTransmitter: Relays, DPDT

Certificates / ApprovalsATEX, IEC Ex

Point Level / Solids

Options

Flange

Components

Receiver: FDR50

Transmitter: FTR325

Successor

Soliwave FQR57

Application limits

When waves are emitted from outside (non-contact)

Solid weight: <10g/l

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