

Soliwave FDR50



More information and current pricing:

www.cz.endress.com/FDR50

Benefits:

- Highly reliable measurement due 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 FDR50 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 FQR50 emitter.

Features and specifications

Point Level / Solids

Measuring principle

Characteristic / Application

Microwave receiver

Point Level / Solids**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 medium

Solid weight: >10 g/l

Main wetted parts

Within installation: Aluminium, PTFE
Or: non-contact

Process connection

1-1/2" G + NPT
With wave emission from outside / mounting from outside, metal
container must not be made of metal

Process connection hygienic

With waves emitted from outside (non-contact)

Communication

Transmitter: Relays, DPDT

Certificates / Approvals

ATEX, IEC Ex

Options

Flange

Point Level / Solids

Components

Emitter: FQR50

Transmitter: FTR325

Successor

Soliwave FDR57

Application limits

With waves emitted from outside (non-contact)

Solid weight: <10g/l

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