

# Nivotester FTR525

## Process transmitter for FQR57/FDR57

### Process transmitter with control unit for Soliwave FQR57/FDR57



#### Benefits:

- Simple and comfortable menu-guided operation via display and keys
- Different adjustment functions (automatic or manual) with clear graphic representation of the set detection range and the current signal strength
- Up to 5 different channels can be set for parallel operation of several microwave barriers which are installed in close proximity to each other
- Offers functions for application analysis
- Provides many adjustment possibilities such as damping, selectable switch-on and switch-off points as well as switch-on and switch-off delays
- Easy installation due to compact housing for easy inline mounting on standard top-hat rail and wiring via pluggable terminal block connectors
- High level of operational safety through line monitoring up to the sensor

**Field of application:** The process transmitter Nivotester FTR525 is used in conjunction with the microwave barrier Soliwave FQR57/FDR57 for detection of point levels and bulk flow (flow / no flow, trend). The microwave barrier is also suitable for detecting and counting objects, detection of deposits as well as monitoring of filling processes and material transfer points. It can be installed in containers, conduits, hoppers, filling stations, shafts, filters or on free fall shafts.

#### Features and specifications

Point Level / Solids

Measuring principle

Microwave barrier

## Point Level / Solids

### Characteristic / Application

Process transmitter for FQR57 /  
FDR57

With graphical display

Many settings like:

:: Sensitivity, attenuation, channel

:: Switch on and off points, delay

Functions for application analysis

Design: Top-hat rail

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### Supply / Communication

24-230 VDC (-15%/+10%)

resp. 42-230 VAC (-15%/+10%),  
50/60Hz

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### Ambient temperature

-20 °C...+60 °C

(-4 °F...+140 °F)

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### Communication

Relay, SPDT

Solid-state relay

4-20 mA

Alarm open collector

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### Certificates / Approvals

ATEX, CSA C/US, IEC Ex

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### Components

Transmitter: FQR57

Transceiver: FDR57

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More information [www.be.endress.com/FTR525](http://www.be.endress.com/FTR525)