

# Microwave barrier transceiver Soliwave FDR16

Ultra-compact microwave barrier for non-contact point level detection, piece goods counting and object detection



Дополнительная информация и актуальные цен:

[www.casc.endress.com/FDR16](http://www.casc.endress.com/FDR16)

## Преимущества:

- Non-contact measuring principle - detection almost independent of process properties
- High security - permanent self-diagnosis and full self-test
- First microwave barrier with IP69 protection classification
- Meets the requirements of EU 1935/2004
- Very simple and cost-effective commissioning
- Safe detection - non-contact measuring method guarantees wear-free and maintenance-free continuous operation
- Robust design - housing made of stainless steel

## Краткие характеристики

- **Рабочая температура** Non-contact installation: any Within installation:  $-20\text{ °C} \dots +60\text{ °C}$  ( $-4\text{ °F} \dots +140\text{ °F}$ ) With HT-Adapter: up to  $+450\text{ °C}$  ( $+842\text{ °F}$ )
- **Рабочее давление абс. / макс. предел избыточного давления** Non-contact installation: any Within installation: 0.5 bar ... 6.8 bar (7.2 psi ... 99 psi) abs. With HP-Adapter: up to +21 bar (+305 psi) abs.
- **Мин. плотность измеряемого продукта** Solid weight:  $> 10\text{ g/l}$

**Назначение:** The Soliwave FDR16 is an ultra-compact transceiver for non-contact point level detection of bulk solids and liquids, as well as piece goods counting and object detection. The Soliwave FDR16 is used together with the FQR16. The microwave barrier works with a non-contact detection method and can also be used in applications with difficult-to-access or confined installation conditions due to its ultra-

compact design. For non-metallic container materials, measurement from the outside is possible.

## Характеристики и спецификации

Контроль предельного  
уровня/сыпучие продукты

### Принцип измерения

Микроволновый барьер

### Характеристики/Применение

Microwave barrier

Non-contact point level detection

(min/max, e.g. full and empty detection for overflow and dry run protection) for all types of bulk solids

(from powdery to lumpy) and liquids, also in potentially

explosive atmospheres (dust Ex).

Detection, counting, and positioning of objects

Object detection on conveyor belts

### Доп.информация

Detection range: max. 20 m

### Питание / Коммуникация

18 V ... 30 V DC,

Plug M12

### Температура окружающей среды

-20 °C ... +60 °C (-4 °F ... +140 °F)

### Рабочая температура

Non-contact installation: any

Within installation:

-20 °C ... +60 °C (-4 °F ... +140 °F)

With HT-Adapter:

up to +450 °C (+842 °F)

**Контроль предельного  
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0.5 bar ... 6.8 bar (7.2 psi ... 99 psi) abs.  
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**Мин. плотность измеряемого продукта**

Solid weight: > 10 g/l

**Смачиваемые части**

Non-contact installation:  
no wetted parts  
Contact installation:  
316L, PTFE

**Присоединение к процессу**

ISO228-1: G1", G1-1/2"  
ASME: NPT1-1/2"

**Гигиеническое присоединение к процессу**

Non-contact installation

**Связь**

3-wire-DC-PNP,  
2 DC-PNP-outputs

**Сертификаты/Нормативы**

ATEX, IEC Ex

**Сертификат по конструкции**

EN10204-3.1

**Гигиенические сертификаты**

EG1935/2004

Контроль предельного  
уровня/сыпучие продукты

**Опции**

Mounting bracket  
Counternut  
Welding sleeve  
Connection cable  
Connecting cable  
High-pressure adapter  
High-temperature adapter  
Extension for HT-adapter  
Mounting flange  
Sight glass fitting  
FAR50, FAR51, FAR52, FAR54

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**Компоненты**

FQR16

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**Диапазон применения**

Solid weight: < 10 g/l

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