

Microwave flow indicator Solimotion FTR16

Ultra-compact flow indicator for monitoring pneumatic and mechanical transport processes of bulk solids



Más información y precios actuales:

www.cl.endress.com/FTR16

Ventajas:

- Non-contact measuring principle - detection almost independent of process properties
- High security - permanent self-diagnosis and full self-test
- First flow indicator for bulk solids 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

Resumen de especificaciones

- **Temperatura del proceso** 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 $+450\text{ °C}$ ($+842\text{ °F}$)
- **Presión de proceso absoluta / límite de sobrepresión máx.** 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.
- **Densidad min. del medio** Solid weight: $> 10\text{ g/l}$

Ámbito de aplicación: The Solimotion FTR16 is an ultra-compact flow indicator for efficient and reliable monitoring of pneumatic and mechanical transport processes of bulk solids. It can also be used in difficult-to-access or confined installation conditions. For non-metallic container materials, measurement from the outside is possible.

Características y especificaciones

Nivel del Punto / Sólidos

Measuring principle

Barrera microondas

Característica / Aplicación

Flow indicator for bulk solids

Non-contact motion detection (movement / no movement) of pneumatically or mechanically conveyed bulk solids of all kinds,

also in potentially explosive atmospheres (dust Ex)

Especialidades

Detection range: max. 5 m

Detectable velocity: 0.09 m/s ... 62 m/s

Suministro / Comunicación

18 V ... 30 V DC,

Plug M12

Temperatura ambiente

-20 °C ... +60 °C (-4 °F ... +140 °F)

Temperatura del proceso

Non-contact installation: any

Within installation:

-20 °C ... +60 °C (-4 °F ... +140 °F)

With HT-Adapter:

up to +450 °C (+842 °F)

Presión de proceso absoluta / límite de sobrepresión máx.

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.

Nivel del Punto / Sólidos**Densidad min. del medio**Solid weight: > 10 g/l

Principales partes húmedas

Non-contact installation:

no wetted parts

Contact installation:

316L, PTFE

Conexión a proceso

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

ASME: NPT1-1/2"

Conexión a proceso higiénicaNon-contact installation

Comunicación

3-wire-DC-PNP,

2 DC-PNP-outputs

Certificados / AprobacionesATEX, IEC Ex

Aprobaciones de diseñoEN10204-3.1

Aprobaciones higiénicasEG1935/2004

Nivel del Punto / Sólidos

Opciones

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

Límites de la aplicación

Solid weight: < 10 g/l

Más información www.cl.endress.com/FTR16