

Microwave flow indicator Solimotion FTR20

For monitoring pneumatic and mechanical transport processes for bulk solids



Thông tin thêm và mức tính giá hiện tại:

www.apsc.endress.com/FTR20

Lợi ích:

- Sensor, transmitter and power unit mounted in one housing, which means less effort for installation and mounting
- High safety level compliant with international explosion protection certificates
- Flush-mounted installation, non-contact installation possible for ideal integration into the process
- Electronics housing can be rotated by 360° allowing adjustment into optimum position after installation
- High cost-effectiveness thanks to its mechanical robustness: No wear, process-wetted ceramic sensor diaphragm (optional), long service life, maintenance-free
- Signaling of mass flow (present or not present)

Tổng quan về thông số kỹ thuật

- **Process temperature** Standard -40°C ... +70°C (-40°F ...158°F)
With adapter for temperature reduction: -40°C to +450°C -40°F ... +842°F)
- **Process pressure absolute / max. overpressure limit** 0.5 ... 6.8 bar abs standard (7.2 ... 98.6 psi abs) When using the adapter for temperature reduction: 0.8 to 5.1 bar abs (11.6 ...74 psi abs)

Phạm vi ứng dụng: The Solimotion FTR20 flow indicator for bulk solids is a non-contact device based on microwave technology. It is ideally suited for cost-effective monitoring of a mass flow (present or not present). The compact device can be used wherever the cost-effective monitoring of bulk solids movement is required. Individual adjustments to the application can be carried out by means of configurable functions (incl. automatic calibration).

Tín năng và thông số kỹ thuật

Point Level / Solids

Measuring principle

Microwave barrier

Characteristic / Application

The flow indicator for bulk solids is a non-contact device based on microwave technology. It is ideally suited for monitoring pneumatic and mechanical transport processes for bulk solids.

Ambient temperature

-40°C ... +70°C

(-40°F...158°F)

Process temperature

Standard

-40°C ... +70°C

(-40°F ...158°F)

With adapter for temperature reduction:

-40°C to +450°C

(-40°F ...+842°F)

Point Level / Solids**Process pressure absolute / max. overpressure limit**

0.5 ... 6.8 bar abs standard

(7.2 ... 98.6 psi abs)

When using the adapter for temperature reduction:

0.8 to 5.1 bar abs

(11.6 ... 74 psi abs)

Main wetted parts

316Ti/1.4571

Sensor diaphragm: PTFE or ceramic

Process connection

Thread R 1½ (EN 10226)

NPT 1½ (ASME B1.20.1)

Communication

Relay SPDT

Analog 4 - 20 mA

Solid-state relay

Certificates / Approvals

ATEX, CSA C/US, IEC Ex

Design approvals

EN10204-3.1

Options

Adapter for temperature reduction

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