



## FlowSWITCH 500M

### Solid monitoring



### Application

The indicator FlowSWITCH 500M **monitors** the mass flow of **solids**. Flow problems with transports or the feeding of **powders, dust, pellets, or granulates** can be detected early with this device. This helps prevent serious difficulties that can occur due to clogged piping, material loss, or other technical problems with the system.

### Main Benefits

- ◆ Reliable microwave measuring principle
- ◆ For all bulk materials
- ◆ Monitors the mass flow in solid material handling
- ◆ Adjustable sensitivity
- ◆ Easy installation by compact form
- ◆ Process connection with flange, thread or others

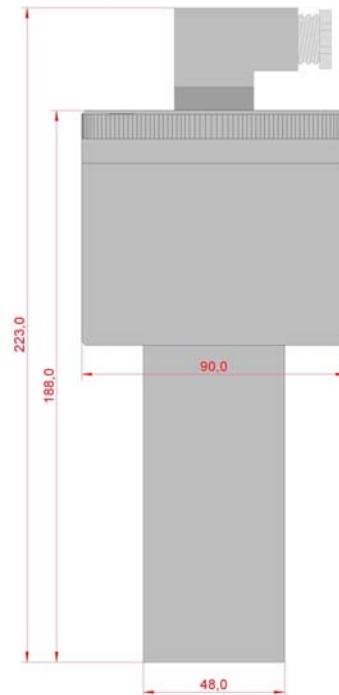
### Scope of use

animal feed industry  
building materials industry  
production of ceramics  
chemical industry  
detergent industry  
food industry  
glass production  
metal production  
pharmaceuticals  
pigment production  
power plants  
production of rubber goods  
recycling industry  
synthetic materials  
production of textiles  
etc.

## Function

The measurement procedure of the FlowSwitch 500M is based on the physical principle of the Doppler effect. Therefore the sensor sends out a microwave field. If solids move through this field, the microwaves are reflected and received by the sensor again. This is converted into a switching process.

The sensitiveness of the sensor can be adjusted continuously and enables a variable determination of the switching point resp. a switching process for different mass flows. The installation can be carried out within pipes, on conveying belts, on fall plates or at similar transport facilities. The assembly is simply, economical and easy also afterwards possible.



## Technical Data

Material	Housing	stainl. steel 1.4571
	Process coupling	stainl. Steel 1.4571/ teflon
Isolation		IP 65
Temperature	Ambient	-15°C up to +75°C
	Process	-15°C up to +105°C
Process pressure		2 bar
		Max. on inquiry
Electr. connection		plug connection
Power Supply		24 VDC
Relais	Power:	Max. 60VA
		Max. 24W
	Voltage:	Max. 220 VDC
		Max. 250 VAC
	Current:	Max. 2A
Output current		Max. 400 mA
Adjustable sensitivity		Continuously
Switch point		Continuously

