

## Microwave Solid Flow Monitor -ROHEVEL-MDS62



### Working principle

ROHEVEL-MDS62 is a material flow monitor using the Doppler effect. According to the Doppler effects, the frequency of microwave changes when encountering a moving object. The monitor is installed outside the pipeline or above the conveyor belt. The detector emits electromagnetic waves. When there is material flowing, the frequency of the reflected wave changes. The monitor provide an analog output which varies with changing conditions of the material flow stream.

### Features

- Microwave has good penetration and is not affected by flying dust, steam, stickiness.
- Compact design, small footprint and flexible installation.
- No moving parts and maintenance free.

### Specification

Power supply	24V DC
Output	4...20mA (passive)
Frequency	24~26GHz
Delay	1~15s
Transmitter power	5mW
Flow speed	≥0.1m/s
Detect range	0~2.5m
Process fitting	Thread G11/2/Flange
Housing material	Stainless steel
Ambient temperature	-40~70°C
Process temperature	-40~220°C (Up to 1000°C with adapter)
Process pressure	1bar (Up to 20bar with adapter )
Protection	IP67

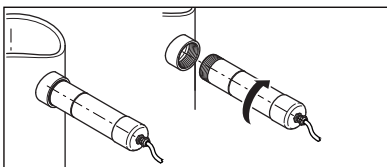
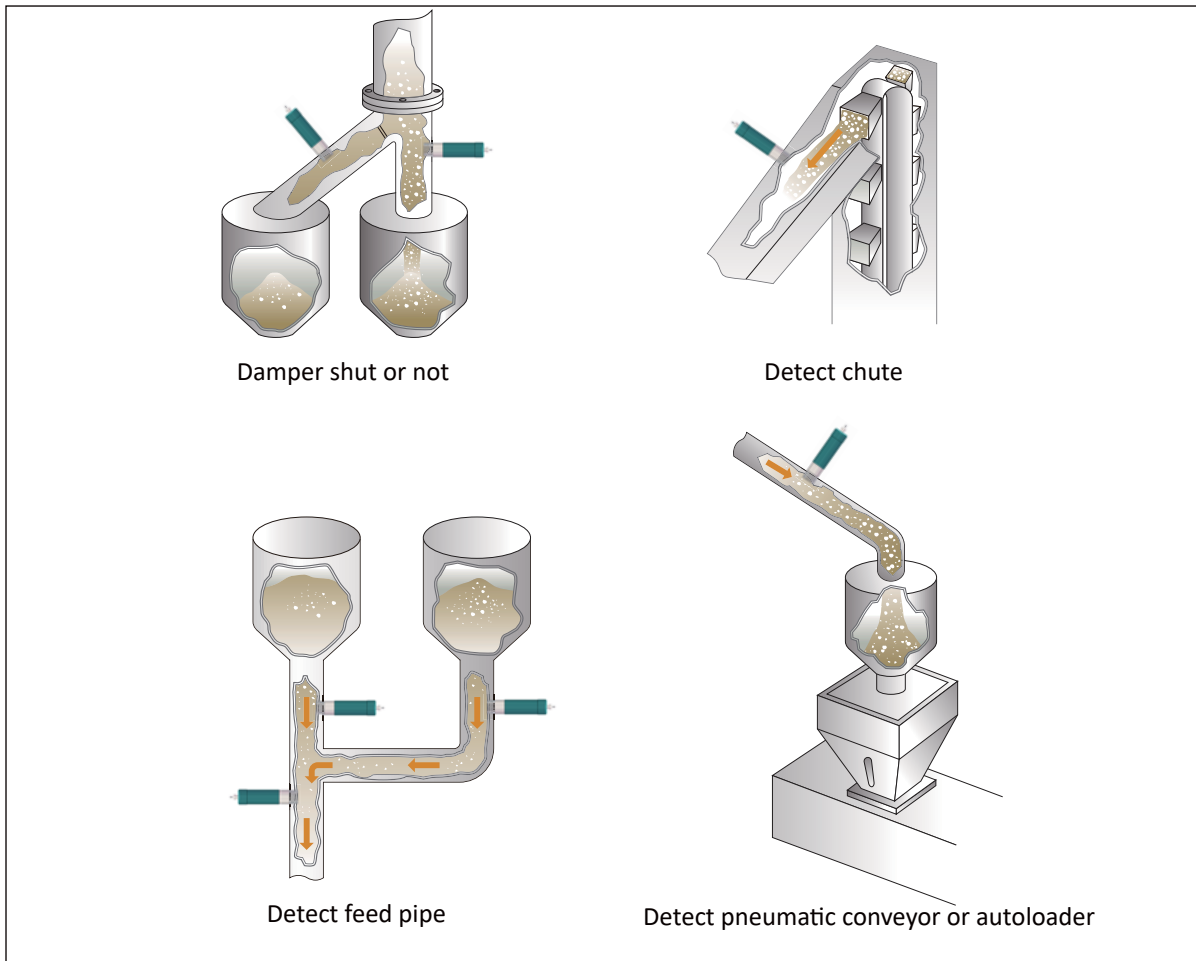
## Applications

- (1) Detect solid flow in pipeline, chute and conveyor
- (2) Detect fault of conveying system

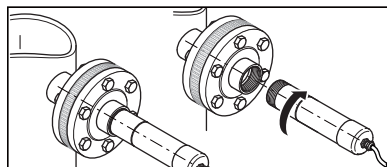
### Industry

- Building material: cement,clinker,woodchips
- Chemical: plastic powder or granuls,fertilizer,silica
- Food: coffee,animal food,oats,tobacco leaf tobacco leaf
- Power: coal,carbon dust,flyash

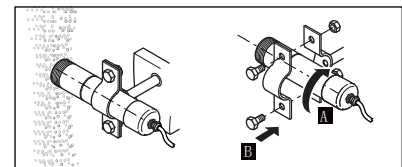
## Installation



Thread mounting



Flange mounting



Pipe clamp mounting