

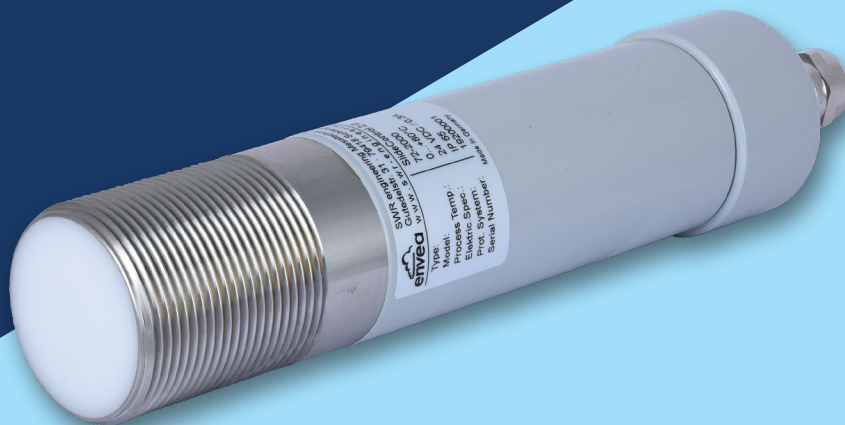
SLIDECONTROL 2.0

FLOW MONITORING ON AIR SLIDES

Microwave sensor for contactless flow/no flow monitoring of powder material flow in air slides

FEATURES AND BENEFITS

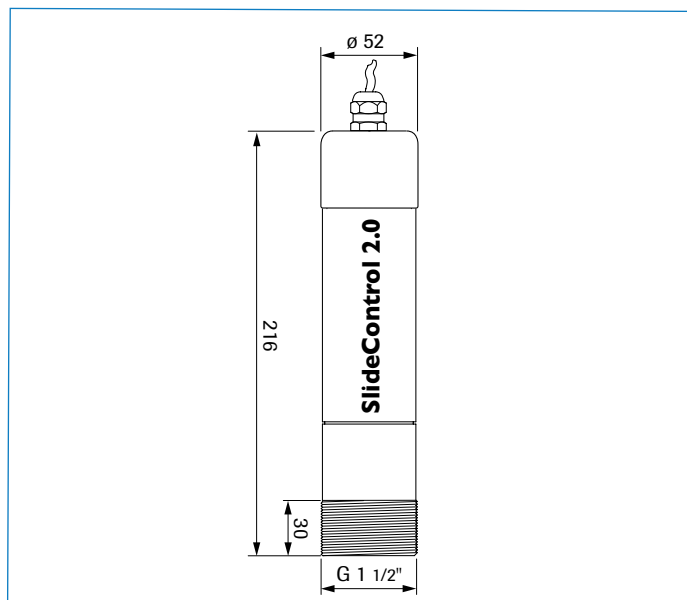
- Contactless throughput measurement for air slides
- No installations into the process
- 4 ... 20mA trend signal for the flow rate
- Fast recognition of flow / no flow conditions
- Easy retrofitting



certified to ATEX

TECHNICAL SPECIFICATIONS

Sensor	
Housing material	Stainless steel 1.4571
Protection type	IP65
Process temperature	-20 ... +80°C -20 ... +220°C (with process adapter)
Ambient temperature	-20 ... +60°C
Working frequency	Max. 1 bar
Power supply	18 ... 24 V DC / AC (powered by transmitter)
Measuring frequency	24.125 GHz; ±100 MHz
Transmitting power	Max. 5 mW
Weight	1.0 kg
Dimensions	Enclosure: length of 216 mm / diameter of 52 mm
	Thread: length of 30 mm / diameter of G 1 1/2"



Transmitter (DIN Rail)	
Power supply	24 V DC ±10%
Power consumption	20 W / 24 VA
Protection type	IP40 to EN 60 529
Ambient operating temperature	-10 ... +45°C
Dimensions	23 x 90 x 118 mm (W x H x D)
Weight	Approx. 172 g
DIN rail fastening	DIN 60715 TH35
Connection terminals cable cross-section	0.2-2.5 mm ² [AWG 24-14]
Current output	1 x 4 ... 20 mA (0 ... 20 mA), load < 500 Ω
Interface	ModBus RTU (RS 485) / USB
Pulse output	Open Collector - max. 30 V, 20 mA
Relay contact	Max. rated load: 250 V AC Max. peak current: 6 A Max. rated load 230 V AC: 250 VA Max. breaking capacity DC1: 3/110/220 V: 3/0.35/0.2 A Min. switching load: 500 mW (10 V / 5 mA)
Data backup	Flash Memory

Transmitter (field housing)	
Power supply	110 / 230 V AC 50 Hz (optional 24 V DC)
Power consumption	20 W / 24 VA
Protection type	IP65 to EN 60 52910.91
Ambient operating temperature	-10 ... +45°C
Dimensions	258 x 237 x 174 mm (W x H x D)
Weight	Approx. 2.5 kg
Interface	RS 485 (ModBus RTU) / USB
Cable screw connectors	3 x M20 (4.5 - 13 mm Ø)
Connection terminals cable cross-section	0.2 - 2.5 mm ² [AWG 24-14]
Current output	3 x 4 ... 20 mA (0 ... 20 mA), load < 500 Ω
Pulse output	Open Collector - max. 30 V, 20 mA
Relay contact	Max. rated load: 250 V AC Max. peak current: 6 A Max. rated load 230 V AC: 250 VA Max. breaking capacity DC1: 3/110/220 V: 3/0.35/0.2 A Min. switching load: 500 mW (10 V / 5 mA)
Data backup	Flash Memory