

Dusty C

COMPACT SENSOR FOR **BROKEN BAG DETECTION**



Reliably monitor dust particles in flowing gas on clean sides of baghouses or cartridge filters that triggers once a threshold is met

FEATURES AND BENEFITS

- Detects all dust types
- Can be used in all purge gas and dust ducts
- Immediate detection of filter damages
- Simple commissioning (Plug & Play)
- Prevention of process-induced dust Ex zones
- Individual choice of alarm threshold
- Rapid and easy retrofitting
- 4 ... 20 mA output at sensor



TECHNICAL SPECIFICATIONS

Sensor	
Measurement objects	Solid particles in a gas flow
Measurement range	From 0.1 mg/m ³
Process temperature	Max. 140°C (higher temperature on request)
Ambient temperature	- 20 ... + 60°C
Pressure	Max. 2 bar
Gas velocity	Min. 4 m/s
Humidity	95 % RH (non-condensing)
Principle	Electrodynamic
Damping time	1 s
Output signals	4 ... 20mA analog output (Active) Relay
Sensor rod	Total length: 260 mm length of stainless steel rod: approx. 194 mm
Enclosure	Aluminium
Using in Ex-zones	Cat. 3 G/D (zone 2 gas / zone 22 dust)
Protection category	IP65
Power supply	24 V DC ± 10%
Power consumption	2.5 W
Electrical connection	screw-type / terminal box M12 connector (optional)
Assembly	Via ½" thread or Tri-Clamp connection
Weight	Approx. 1 kg

