

DUSTY

LOW-COST 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
- Electronic alarm output
- Usable in clean gas and dust channels
- Very simple and fast retrofitting
- Immediate detection of filter damages
- Uncomplicated commissioning (Plug & Play)
- Excellent price / performance ratio
- Easily expandable to 4 ... 20 mA output (trend signal)



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	1 Alarm output, potential-free, NO/NC
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	1 W
Electrical connection	screw-type / terminal box M12 connector (optional)
Assembly	Via ½" thread or Tri-Clamp connection
Weight	Approx. 0.7 kg

