

GOYEN

BBD5 BROKEN BAG DETECTOR



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OPERATIONAL RANGE

- Suitable for a wide range of dust collection and stack emissions.
- Applicable for all types of outlet stack geometrical arrangements.
- For duct sizes from 50mm (2") to over 10m (33ft).
- Suitable for most stack material eg. steel, brick etc.
- Applicable to most particulate types.
- Insertion temperatures up to 80°C or 200°C (176°F to 392°F), higher if required.
- Dust concentrations from 0.01mg/m³ (4x10⁻⁶gr/ft³).
- Optional intrinsically safe barrier.

BENEFITS

- Detects most particles regardless of composition.
- Very sensitive due to AC coupled technology.
- Can be used over a wide range of particulate.
- Can monitor extremely small particles eg. galvanising fume (≈0.1µm).
- Can assist in dramatically reducing plant down-time through filter failures.

FEATURES

- Proven AC Triboelectric technology.
- Sensitivity adjustment.
- Potted construction for reliability and operational stability.
- Relay time delay feature.
- Air purge port.
- Simple Installation.
- Alarm level adjustment.

FUNCTIONS

Bar graph:	Visual indication of emission density
Alarm Time Delay:	0-18 seconds in 2 second steps to prevent false alarms due to pulsing
Sensitivity :	Adjustable sensitivity (10 position switch)

OUTPUTS

Type	Name	Specification	Function
Output	Alarm Relay	8A Resistive 1A Inductive	Emission Alarm

CONTROL UNIT

Enclosure Rating:	IP66/NEMA 4
Enclosure Size:	180mm wide x 180mm high x 90mm deep (7 ¹ / ₈ " x 7 ¹ / ₈ " x 3 ¹ / ₂ ")
Enclosure Material:	Plastic Composite
Power Supply:	100-240VAC or 18-32VDC
Bargraph Display:	20 step LED
Temperature Range:	-20°C to 60°C (-4°F to 140°F)
Active Head:	One

SENSING HEAD

Insertion Temp Range:	P2-45210: -20°C to 80°C (-4°F to 176°F) P2-45220: -20°C to 200°C (-4°F to 392°F)
Connection required on duct:	1" BSPT socket
Enclosure Temperature Range:	-20°C to 60°C (-4°F to 140°F)
Enclosure Rating:	IP66/NEMA4
Enclosure Material:	Aluminium
Sensing Element Material:	316 Stainless Steel
Sensing Element Options:	• solid rod • tubular • teflon coated • multiple supports • cable type • different lengths available
Air Purge Requirements:	• Connection: 1/8" gas thread on side of unit • Air Pressure: 400kPa (60psi) max • Air Consumption: 1.7 -17m ³ /hr (1-10cfm) pulsed
Electrical Specification between Sensing Head	4 core screened data cables: Beldon 9534