



# Do you know how dust monitoring positively affects your business?

- ***Process monitoring*** – higher yields and better product quality
- ***Emission monitoring*** – lower emissions to the atmosphere and environmentally friendly image for your company
- ***Filter condition monitoring*** – lower risks to the process, environment and personnel

***Sintrol dust monitors offer solutions for different types of dust monitoring in today's industry.***

# Sintrol – Dust monitors with a Difference

## S301 – DUSTGUARD

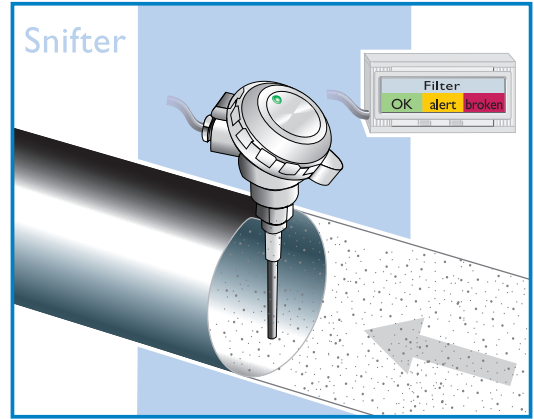
is designed as a filter bag leak detection monitor. Equipped with two independent alarm relays which can be used for early warning and failure, or connected to alarm devices, it is used to detect filter deterioration and blockage or breakage. The alarms can be used for process control (as an ON-OFF system) in FLOW – NO FLOW situations in bulk solids handling and pneumatic transport applications. Very fast response time, a typical characteristic of these monitors, enables early detection and prevention of expensive product loss to the environment.

## S303 – TREND MONITOR

has also a 4–20 mA analog signal output used for trend monitoring. It is installed downline of a filter, cyclone, dryer, or similar device to monitor the filter performance as well as particulate emissions. It has two alarm relays which will activate when the amount of particulate in the gas stream exceeds a preset level. It can also be used for process control in certain applications. S301 and S303 are designed for use in any process fitted with bag, ceramic or cartridge filters or cyclones where indicative (qualitative) monitoring is required.

## S304 – EMISSION MONITOR, S305 – STACK MONITOR

These two models are primarily used in stack- or emission monitoring applications where particulate emissions ( $\text{mg}/\text{m}^3$ ) have to be measured to comply with environmental regulations. Both are linear monitors with 2 alarm relays, analog 4–20 mA signal output as well as digital communication via RS485. Both utilise Sintrol's advance auto-setup and automatic drift compensation functions. S305 satisfies QAL1 requirements of EN14181 and other European Dust Measurement Standards. TÜV certificate of the S305 allows it to be used in coal fired power plants, incineration plants and crematoria. Self Zero check and self span check and PIN code protection are standard features of the S305.



## SNIFTER – SWITCH

Snifter is used to detect filter bag breakage quickly and cost-effectively. It is a compact device consisting of an enclosure housing state of the art electronics and a probe.



FEATURES	S301	S303	S304	S305
2 Independent alarm relays (user selectable alarm limits, NO or NC)	•	•	•	•
4–20 mA signal output		•	•	•
Remote setup & configuration		○	○	○
Self zero check				•
Span check				•
Filter bag leak detection. ON-OFF systems. Pneumatic transport	•	•	•	•
Trend monitoring. Filter performance		•	•	•
Filter performance. Particulate emissions		•	•	•
Stack monitoring. Can be calibrated to $\text{mg}/\text{m}^3$			•	•
Serial communication			•	•
ATEX approved model	x	x	x	x
Remote models	•	•	•	•

• Standard      ○ Optional      x Available

Distributor:

