



# DUSTguard

## FILTER LEAK MONITOR / DUST MONITOR

- Electrostatic measurement principle (modified triboelectric principle)
- Adjustable signal damping
- Relay or analog output (4...20 mA)
- ATEX zone 2/20



The dust monitor **DUSTguard GM** is used to detect malfunctions in dedusting plants, which can be caused by damaged or incorrectly installed filtration media.

The used electrostatic measurement principle is based on a modified triboelectric principle. Not only particles which hit the measuring rod are detected, but also those passing by. Deposits on the sensor rod do not influence the measurement, since only moving particles are detected.

Because signal damping is adjustable, short peaks do not cause a false alarm. The signal gain can be adjusted easily according to the individual process.

With the analog output version (in connection with a PLC) it is possible to monitor more than one threshold and to plan filter maintenance by monitoring the cleaning cycles.

# AIRguard

## DUST SENSOR FOR MONITORING THE AMBIENT AIR

- Continuous dust measurement of the ambient air
- Recognise dust formation immediately
- Monitor dust concentration at workplaces
- Monitor production halls
- Prevent dust explosions

The **AIRguard** is a measuring instrument for monitoring the concentration of dust in the ambient air. The device is used e.g. in industrial production halls and detects if there are leaks in machines or conveying pipelines and dust escapes.

The use of the **AIRguard** effectively protects the health of employees. In the case of explosive dusts, the danger of dust explosions is detected and intervention is possible.

