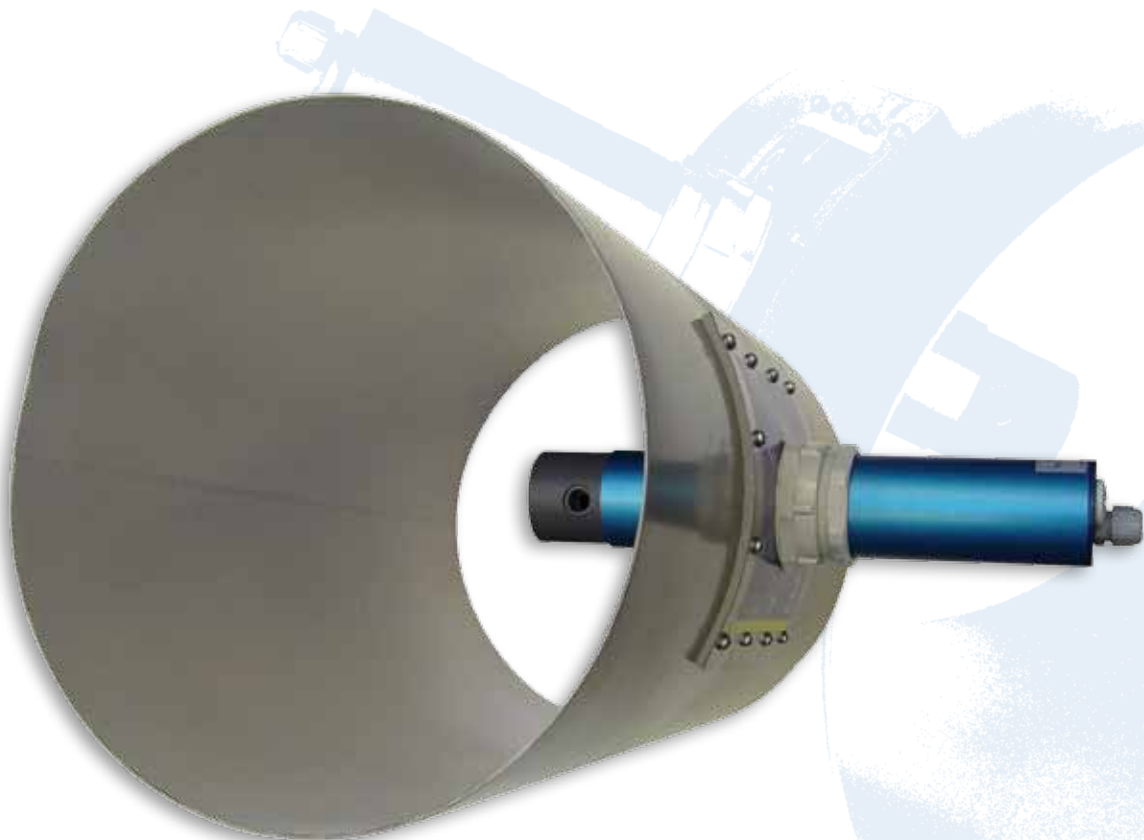




DUST FILTER MONITORING

Filter-Guard 206



ADOS GmbH

Instrumentation and Control

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Application

Filter-Guard 206 continuously monitors the clean air side of any fine dust filter installations. A warning is initiated when a sudden increase in dust concentration is present, i.e. due to breakdown in the filter casing or bag.

Accessories

Signal horns, warning lamps, warning banners, air control accessories, metering units, plotters, data-logger.

Further accessories can be supplied, on request, according to the proposed measurement tasks.

Fields of Application

- ☒ Monitoring filter systems
- ☒ Vibrating and jet filter systems
- ☒ Air extraction installations in wood and plastic processing plants
- ☒ Air conditioning units with dust filter systems
- ☒ Paint and varnish production
- ☒ Ambient air monitoring at workplaces
- ☒ and many more

Technical Data

Measurement principle:	optical light dispersion
Fields of application:	filtermonitoring for dry, not sticking, not lumping, not hygroscopic substances
Measurement ranges:	0–100 % dust approx. measurement range: total dust 0.1–20 mg/m ³ 0.1–50 mg/m ³ 0.1–100 mg/m ³ dependant on the kind of dust at the measuring point
Medium humidity:	dry
Measurement accuracy:	pure warning function, no metering unit
Ambient temperature:	14 °F to 122 °F
Response time (t ₉₀):	< 10 s
Installation:	flexible flange for output air channel construction (flat and round channels)
Protection class:	IP 54
Output signals:	analog output, 4 (0)–20 mA RS 485/LON [®]
Voltage supply:	24 V/DC
Power consumption:	3 VA
Dimensions (D x L):	1.97 x 11.81 inch or 1.97 x 23.62 inch (long version)
Weight:	approx. 2.09 lbs
Trademark right:	EU-patent

Features

- ☒ Suitable for various types of dust
- ☒ 4–20 mA standard output signal
- ☒ LON[®] interface (optional)
- ☒ Low current consumption
- ☒ Robust aluminium housing
- ☒ Straightforward installation
- ☒ Easy exchange of the sensor elements

Detectable Types of Dusts

Dry dusts:

- ☒ Wood dust
- ☒ Household dust
- ☒ Colouring pigments
- ☒ Plastic dust
- ☒ Flour dust
- ☒ Metallic dust
- ☒ Mineral dust
- ☒ and many more

Evaluation Units

Multi-channel installations:

- MWS 897
- MWS 903
- LON[®]-Center 2000
- GW 399
- Multitronik MC 602