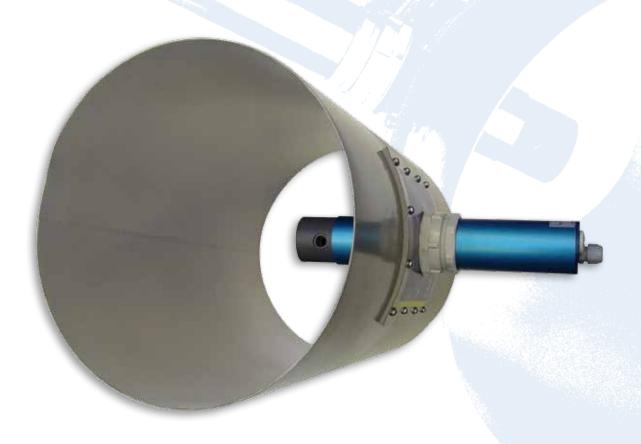


## Instrumentation and Control



# **DUST FILTER MONITORING**

# Filter-Guard 206





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#### **DUST FILTER MONITORING**



# 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

### **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

Т	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/m³ 0,1 - 50 mg/m³ 0,1 - 100 mg/m³ dependant on the kind of dust at the measuring point	
	Medium humidity:	dry	
	Measurement accuracy:	pure warning function, no metering unit	
	Ambient temperature:	-10 °C to +50 °C	
	Response time (t <sub>90</sub> ):	< 10 s	
	Installation:	flexible flange for output air channel construction (flat and round channels)	
	Protection class:	IP 54	
	Output signals:	analog output, 4 (0) $-20 \text{ mA}$ RS $485/\text{LON}^{\circledast}$	
	Voltage supply:	24 V=	
	Power consumption:	3 VA	
	Dimensions (D x L):	50 x 300 mm or 50 x 600 mm (long version)	
	Weight:	approx. 0,95 kg	
	Trademark right:	EU-patent	