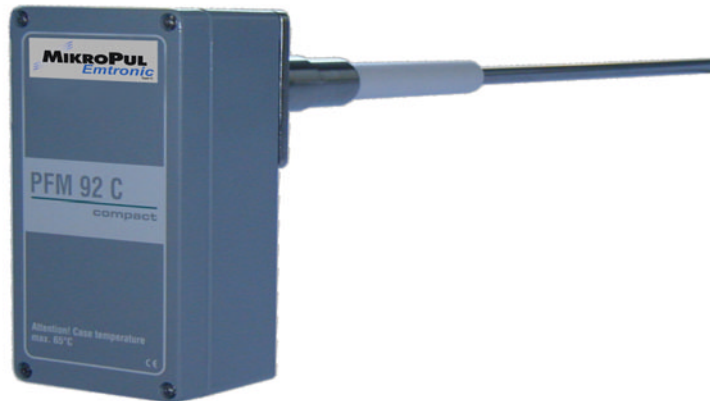


FILTER MONITOR **MikroPul Emtronic** Type C

Compact unit for low cost filter monitoring



This filter monitor version offers an especially easy and inexpensive way to control the clean gas dust content after dust collectors.

The monitor unit emits a signal which can be recorded via recorder, PC with special software or other existing control devices.

An advantage is the optional build-up of intraplant dust emissions monitoring and control systems at minimum expenditures.

Functional Principle

Measuring principle of the **Filter Monitor MikroPul Emtronic Type C** is the triboelectric effect. This generates an electrical current which is transmitted to the probe head, amplified by the integrated processor unit and then provided as a 4...20 mA analogue signal.

Accessories

Stainless steel probe and amplifier unit in probe head.

Advantages of the compact monitor unit

The **Filter Monitor MikroPul Emtronic Type C** offers efficient monitoring and control for every dust control plant operator:

- Easy installation
- Current status supervision with high accuracy of measurement
- Low maintenance requirements, no wear or parts to replace
- Variable input supply voltage: 24 V; 110 V, 230 V
- Enables scheduled filter plant maintenances
- Allows easy build-up of intraplant dust emissions monitoring and control systems with accurate failure detection (broken bag, valve defects,...)

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Technical Specification

Power supply:	230 V AC, 50/60 Hz or 24 V DC
Power consumption:	5 W
Electrical connection:	clamps 2,5 mm ² max.
Protection class:	IP 65 acc. DIN 40050
Gas temperature:	250°C max.
Ambiance temperature:	-20....+65°C
Start up time:	ca. 10 - 15 min.
Housing dimensions:	80 x 175 x 65 mm (B x H x T)
Weight:	ca. 3 kg
Measuring range:	0,1 mg/m ³ to 100 mg/m ³ , depending on dust and gas properties
Probe length:	Standard 300 mm (or special requirements)
Signal contact:	potential-free, 250 V / 2,5 A max.
Electromagnetic compatibility:	according to EMV code 89/336/EWG and low voltage directive 73/23/EWG

The unit features following alarm indication contacts:

- 2 limits, adjustable (0 - 100 %)
- 1 status contact for power failure indication

The 4...20 mA output signal corresponds with a dust load of 0...100 % of the measuring range. 4 ranges are available with a ratio 0,33; 1; 3,3; 10.