



MICROFLOW

Mass measurement
in pneumatic conveying

DUST-FREE. RELIABLE. DURABLE.

Ideal for the monitoring and regulation of secondary fuels, as well as limit monitoring and mass balancing:

The MicroFlow detects the mass flow of pneumatic conveying lines reliably and with long-term stability. It operates largely independent of material and pressure and is also ideally suited for small quantities. Mechanical wear is impossible as a result of contactless measurement.

Technical data

Working temperature	-20 to +60 °C
Max. permissible temperatures inside the conveyor	-20 to +150 °C
Supply voltage	20 up to 30 VDC
Max. permissible pressure inside the conveyor	80 bar 200 bar optional
Protective housing type	IP 66 IP 67 optional
Accuracy	2 up to 5 %*

* dependent upon the site of application and particle flow profile



Your Benefits

- Mass flow measurement for **pneumatic conveying lines**.
- **Detection of no-load and blockage** in the pipe system.
- **Dust-free** inline monitoring.
- **Reliable, durable, maintenance-free:** Sensor does not protrude into the pipes, so mechanical blockages are impossible.
- **Simple calibration** using the WLAN interface.

Operation

The sensor uses microwaves and emits a measuring frequency from its front side. From the reflected signal according to a patented procedure the mass flow is measured and displayed as an analogue signal in proportion to the mass flow. The evaluation is carried out with a software which is included in the delivery.

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