

## Dust Monitoring Solutions for Healthier, Safer and Cleaner Environment





# Helping customers effectively prevent and control industrial emissions over 35 years

We are committed to the success of our customers and want to offer solutions that bring value. Different customers have different needs. Our dedicated technology team is constantly improving our products, so we can offer solutions that meet your exact environmental requirements.

## Sintrol Oy

Sintrol manufactures high-quality, low-maintenance dust monitors for the detection and monitoring of dust concentrations. Together with our over 30-year experience and our engineering department, we take pride in delivering application-specific solutions to our customers. We are helping our customers with dust-related issues around safety, profitability, and environmental responsibility and we are amongst the world's most trusted dust monitoring solution provider for industrial applications.



## Sintrol facts

- Family-owned company
- Founded 1975
- 50 employees globally
- Revenue 15 M€
- ISO 9001:2015 certified

**Headquarters** Helsinki, Finland  
**Sales Offices** China, India, Japan  
**Subsidiary** Ukraine



## Emissions Monitoring

Regulations for continuous emissions monitoring (CEMS) is becoming more stringent for industries around the world. Sintrol CEMS particulate monitors use proven technology to give plant owners reliable low cost of ownership solutions.

**The IN-SITU S305QAL** allows for continuous measurement of particulates directly in the flue gas of the stack. The TÜV certified instrument meets the QAL1 requirements for official emissions measurements. These virtually maintenance free monitors are a less expensive and more reliable alternative to the traditional opacity monitors that have been used historically.

**The Extractive Optical PM CEMS (EXO)** is used when the flue gas is steam saturated and it is not possible to use in-situ measurements. This extractive approach uses a unique Sintrol patented optical measurement cell. The EXO assures reliable operation in even the toughest of applications.

## Process monitoring

### Filtration Monitoring

In each area of the process where there are single or multiple compartment baghouses, Sintrol particulate **S100, S200 and S300 monitors** are the perfect solution to provide notification to the operator of deterioration or breakage of the filter bags. The Sintrol particulate monitors are largely maintenance free devices that can measure dust levels as low as  $0.01 \text{ mg/m}^3$ . Sintrol's unique automatic setup allows for a "plug-and-play solution". Monitoring particulates in real-time throughout the facility will give immediate indication of unwanted events. Also available in ATEX models for zones 20, 21 and 22.

## Ambient air monitoring

Monitoring ambient dust levels in industrial environments is very challenging. **The DumoPro** is a powerful tool for measuring dust concentrations in industrial environments because of the high sensitivity to total suspended particulates. The field proven state of the art measuring technology is tolerant to sensor contamination making it a reliable solution for a wide variety of dust detection applications.



## Why choose Sintrol Dust Monitors?

- QAL1 certified and Ex certified instruments available
- Low cost ownership
- Reliable and durable due to no moving parts
- Easy to commission due to one sided installation and no alignments
- Not affected by vibrations or temperature
- Local display with status indication

### Applications we serve:

- Emissions Measuring QAL1
- Process Measurement
- Filter Leak Detection
- Workplace Air Monitoring
- Wet Stack Monitoring



## Sintrol product portfolio



**S100 series**  
For filter leak detection



**S200 series**  
For filter and process monitoring



**S300 series**  
For process and emissions monitoring



**S305QAL**  
Certified emissions monitor



**E-spy**  
For ESP monitoring and control



**EXO**  
For wet gas extractive dust measurement



**DumoPro**  
For workplace air monitoring

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