

## DO YOU KNOW HOW HARMFUL DUST IS FOR PEOPLE AND PRODUCTION?

The DUMO provides information on the concentration level of particulate matter in different industrial workplaces.

The DUMO is a compact dust monitoring device developed to continuously measure solid particles in ambient air.

High dust concentration in the workplace affects human health.

Dust causes problems for machines and can cause low product quality.

Dust explosions are environmentally harmful and can cause loss of human life.

Dumo monitors total suspended particles (TSP) in ambient air based on particle charge transfer. Particles interact with a sensor in the device's sampling channel causing an electrical signal which is detected. Test measurements in the laboratory and in the field showed that Dumo is capable of monitoring dust concentrations below  $1\text{mg}/\text{m}^3$  and particle sizes as small as 0.3 micrometers.

Dumo is easy to commission, easy to use and virtually maintenance free

### APPLICATION EXAMPLES

- Mines, Foundries, Wood Industry, Cotton Processing Industry, Textile Mills, Food and Tobacco Industries, Chemical Industry, Paper Mills

### FEATURES

- Low-Maintenance real-time dust monitoring
- No sample handling required
- Fast response to changes in process conditions
- Long-term trend monitoring
- Practically NO Drift

The Sintrol Dumo is the premier trend monitor to improve worker health and protect industrial equipment. The new DustLog 8 is a revolutionary data logging system and reporting tool that gives the user greater access to the monitor than ever before. Reports can be generated to see historical trends in the measurement with the ability to generate monthly, daily or hourly averages charted on nice graphs. Additionally, the easy user interface gives the plant full control of the device's parameters so they can be read, transmit or configure directly from the control room. After installation of the monitor, almost all access to the monitor can be done remotely using the DustLog 8. With our new IECEx/Atex certified instrument, the Dumo can now be used in higher risk areas to detect abnormal levels of potentially explosive dust concentrations.