



# MACView® PARTICLES

**The concept for monitoring of fine-dust and particles in the air**

## **Permanent measurement and monitoring of particles**

The MACView®-Particles monitoring system for particles like dust and smoke. It is specially developed for use in workrooms and industrial environments. The MACView®-Particles measures, reproduces data, registers data using software and controls an external alarm, if needed. The principle of measurement is based on the principle of diffusion of infrared light (light scattering method).

## **Displaying, alarming and registering**

The MACView®-Particles displays the measured values on a LCD-display in mg/m<sup>3</sup> (milligrams per cubic metre). The value can be compared to the MAC-value (Maximum Allowable Concentration) directly. In the monitoring system, 2 relays and 1 analog output are built in which can be used to trigger an external alarm- or ventilation system. It is possible to activate an acoustic or visual alarm to make people aware of too high concentrations.

With the software (useable for all Windows versions), data can be saved, printed and graphical represented remotely. The data can be exported to every desired format to be used in your own files. In the software, the MAC-values (Maximum Allowable Concentration) of the various kinds of dust are adjustable separately. It is also possible to set up the system for multiple kinds of dust or particles. The program will calculate the correct average MAC-value and compare this with the measured values of the MACView®-Particles.



