

Nanoparticles: The chance of new materials vs. the large number in the human lung



Large cities and polluted regions define clean air zones: Less traffic and thus lower emissions. Who knows how to measure the correct particle number concentration?

Ambient measurements survey the success of administrative measures. Calibrated measuring instruments deliver the basis for decisions.



Future diesel vehicles and machines are equipped with certified particulate traps. Who can guarantee the traps efficiency?

Requirements for particle traps define retention coefficients for nanoparticles. Calibrated instruments give reliable values.

Nanostructures have many applications and reveal lots of new opportunities. The research and the production need particle free ambient conditions? Who quantifies the quality of the production?

The smaller the structure is, the cleaner the environment has to be. Calibrated particle counters guarantee their quality.



Society demands a high standard of security. Danger from germs, virus, bacteria and fallout can be recognized with the measurement of aerosols in critical zones such as food technology, medical areas and public places e.g. airports, train stations, customs.

Exposure hazards is detected with particle detectors. Metrology triggers adequate security measures.