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Air-Pollution Measurements

A Product Information Sheet by the Environmental Services Business Unit

What are air-pollution measurements?

Air-pollution measurements determine the concentration of air-borne pollutants emitted by traffic, industry, domestic fuels, etc. Air pollution is a change in the natural composition of air caused, in particular, by smoke, soot, dust particles, gases, aerosols, vapors and odorous substances, but also noise and vibrations.

As air pollution has physical and chemical features which may cause harmful environmental impacts, legislation has defined limits and reference values which must be observed.

Why does air pollution have to be measured?

- Air-pollution measurement results form the basis of approval procedures and environmental impact assessments.
- Air-pollution measurements ensure objective discussions, facilitate court decisions and lead to relief or remedial measures
- Air-pollution measurements document the pollutant dispersion of emission sources.

Air-pollution measurements thus provide comprehensive data on air quality for an area under examination. Such fundamental data are also needed as the basis for air-pollution modeling and dispersion calculations. Generally, exact knowledge of air pollution is the first step towards developing and implementing clean-air measures.

Our services

Our Environmental Services support you with an extensive service package, ultramodern technology, fully equipped measuring trucks and stations, an accredited in-house laboratory and top-notch quality assurance.

We provide you with all the necessary information about air-borne pollutants (SO₂, CO, NO, NO₂, O₃, BTX, hydrocarbons, particulates, PM 10, PM 2.5, dust constituents, PCDD, PCDF, PAH, PCB).

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