



Air quality monitoring

Performance tests	Hazardous substance measuring	Traffic and noise
Emission measuring	Air quality measuring	Machine noise & vibrations
Emission declarations	Dispersion calculation	Building acoustics
Functional tests	Noise prognosis	Wind prognosis

The European Air Quality Directive 2008/50/EC stipulates specific air quality targets with a view to maintaining or improving air quality. In Germany the directive is implemented in the Federal Immission Control Act (BImSchG) and the respective legal guidelines and official regulations (TA Luft). In addition to air quality threshold values, they also specify regulations for calculating air quality parameters.

You need air quality measurements for:

- Compliance tests for air quality (in general)?
- Calculation of prior pollution during authorisation?
- Effectiveness test of air quality measures?
- Verification of results from dispersion calculations?

A meaningful and representative calculation of air quality first requires intensive measurement planning. The components to be measured, the measuring procedures and schedules (frequency), the locations and the duration are of particular importance in planning.

Which hazardous substances are you testing for?

- Nitrogen oxides (active, NO₂ also with passive collector)?
- Sulphur dioxide?
- Carbon monoxide?
- Ozone?
- Benzol?
- Dustfall?
- Airborne dust PM₁₀ and PM_{2.5}?
- Substances in airborne dust such as heavy metals or PAHs?





We can also take care of your emission measurements, functional tests and calibrations.

Once the measuring programme has been finalised, air quality monitoring can begin. Air quality monitoring programmes generally last 12 months, but in some situations they can be limited to 6 months. After completion a detailed report is compiled in accordance with official regulations. TÜV Rheinland can perform air quality measurements in Germany and abroad. All work and tests are performed exclusively by TÜV Rheinland staff. TÜV Rheinland provides you with high quality measurements, tests and statements and is an approved surveyor.

With accreditation and over 25 years of experience, TÜV Rheinland is your expert contact.

Always a good sign.



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