



Tracer Gas Measurement

**Add value.
Inspire trust.**

Indispensable technology to monitor complex processes, increase efficiency and reduce emissions

What is tracer gas measurement?

The „tracer gas“ method refers to a technique used in various scientific and industrial applications to track and analyze the movement of gases or liquids within a system. This approach involves introducing a specific tracer gas into the medium under investigation. The tracer gas behaves similarly to the other substances in the system but has one crucial property: it can be easily detected with high precision. Common tracer gases, such as SF₆, are highly stable and do not react with other substances. The data collected during the process is analyzed to gain insights into fluid dynamics, detect leaks, or evaluate other key system parameters. This information is invaluable for identifying issues, optimizing efficiency or ensuring safety. Our tracer gas measurement devices are exceptionally sensitive and capable of accurately detecting even the smallest concentrations.

Why is tracer gas measurement important for you?

Tracer gas measurements can be used to detect and track flows, leaks, or other movements of gases and liquids. This provides manufacturers in the semiconductor and battery industries with the ability to optimize their processes, reduce costs, and minimize environmental impact - all while ensuring product quality and avoiding operational interruptions.

Our Services:

Exhaust efficiency testing

Tracer gas measurements are a reliable method for assessing and optimizing exhaust systems. These systems must operate effectively and energy-efficiently to lower operating costs and reduce their environmental footprint.

Emissions monitoring

Tracer gas measurements play a crucial role in monitoring emissions in industrial facilities. By precisely identifying leakage points and quantifying emissions, companies can implement environmentally friendly solutions.

Carbon capture and storage (CCS)

Tracer gas testing enables the early detection of potential leaks during test runs, helping to prevent CO₂ from escaping into the atmosphere and contributing to global warming.

Leak detection

Tracer gas measurements are highly effective for identifying leaks in pipes, valves, and other system components. This allows companies to quickly locate and repair leaks, leading to significant cost savings and improved system reliability.