

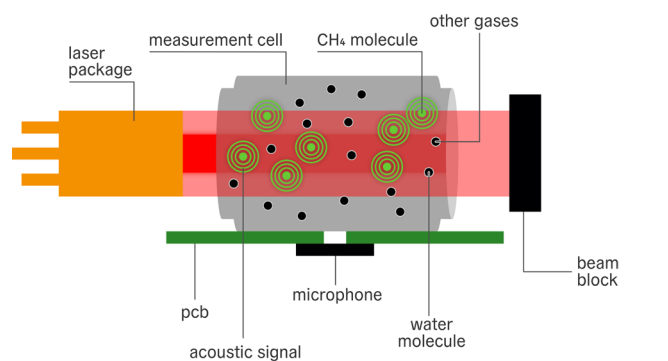
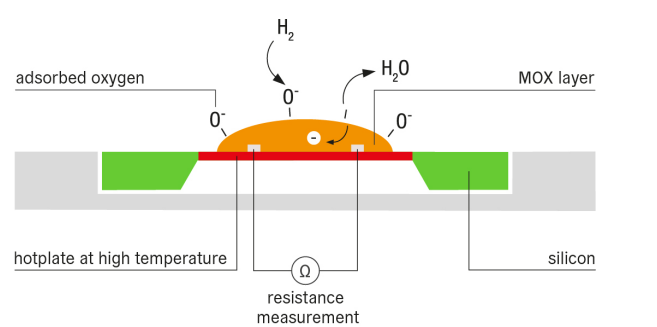
The best raw data comes from the best sensor technology

Quality insights on methane leaks are based on quality methane measurements. That's why Nubo Sphere uses proprietary sensor technology designed specifically for emissions monitoring on oil and gas sites. This methane sensor uses mid-infrared laser spectroscopy based on photoacoustics—a proven working principle in the lab, now miniaturized and available for cost-efficient leak monitoring in the field.

“Laser spectroscopy is the most suitable technology for measuring outdoor methane concentrations.”

Dominik Niederberger
Director R&D, Sensirion Connected Solutions

The Nubo Sphere sensor advantage

Nubo Sphere sensors	Metal-oxide sensors
	
Detects methane using a physical principle	Detects methane using a chemical principle
Quick detection	Slow detection
Absolute measurements of methane concentrations	Relative measurements based on assumptions about background emissions
Minimal cross-sensitivity to other gases	High cross-sensitivity
Negligible baseline drift	Significant baseline drift
Negligible sensitivity drift	Significant sensitivity drift
Requires no in-field recalibration	Requires regular in-field recalibration

Emissions monitoring should not be limited by sensor technology

Nubo Sphere is a continuous methane emissions monitoring solution comprising purpose-built sensor technology, informed siting procedures and advanced analytics. Designed from the ground up to provide a complete picture of methane emissions through out the year, oil and gas operators can rely on Nubo Sphere to detect, localize and quantify fugitive emissions.

Learn more



Download
full article



Contact us
nubo@sensirion.com