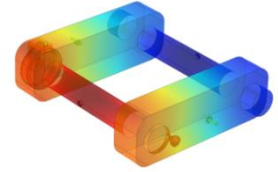


AEROVIA is a leading technology company developing and providing unique and specialized instruments for trace gas analysis.

Our innovative photoacoustic spectrometer is based on our patented Helmholtz resonance cell combined with Laser Diodes and/or Quantum Cascade Lasers thus broadening the scope and the resolution of trace gas detection.



High Resolution Gas Analyzers

We manufacture State-of-the-Art instruments and accessories customized to suit your needs.



Single gas and multi-gas 19" rack and benchtop instruments

Online process ATEX Analyzers



Wall-mounted and portable analyzers (12" x 16" x 6")



Custom analyzers (mobile or stationary)



Key features

- High selectivity
- Versatility (Design independent of laser wavelength/gas detected)
- High sensitivity (ppb range for most molecules, ppt range possible)
- Large dynamic range over 5-6 orders of magnitude (ppb - %)
- Small internal volume
- Zero background technology (minute drifts over time)
- Robust and simple technology
- Atmospheric pressure measurements
- Continuous Monitoring
- Online Measurements



Applications

Green House Gases
Livestock Emissions
Agricultural Emissions
Isotope Tracers



Gas & Oil industries
Petrochemical Industries
Gaz Manufacturers
Electronics Industry

Environment Monitoring

Process & Online QC

Human Health Protection

Pollution Monitoring

Air Monitoring
Indoor Emissions
In-Car Emissions
Medical and Pharma



CEM
Automotive Emissions
Maritime Emissions
Waste Retreatment Plants



Typical Resolutions

Molecule	Limit of Detection	Molecule	Limit of Detection
H ₂ O	10 ppb	Styrene	100 ppb
CO ₂	< 1 ppb	Formaldehyde	30 ppb
N ₂ O	1 ppb	Acetaldehyde	30 ppb
CH ₄	5 ppb	CH ₃ I	20 ppb
C ₂ H ₆	< 10 ppb	Other molecules Ethylene, propylene, butadiene available on demand	
H ₂ S	250 ppb*		
NH ₃	30 ppb		

* 25ppb LOD with a long optical path

Our Engineering Strengths



- Our team of experts can provide customer specific solutions
- We can integrate our instrument into your system as an OEM or a collaborative solution



Contact

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