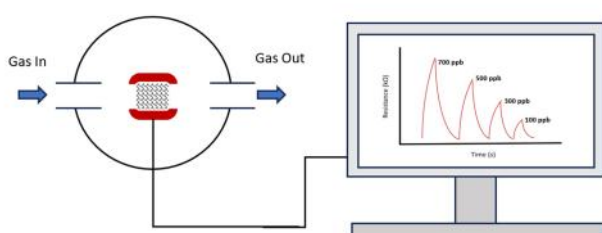


Chemiresistive percolation gas sensor

An innovative gas sensing platform that combines high sensitivity with low power requirements and a compact form factor.

Applications: Gas monitoring, sensing disease markers, identification of volatile compounds, medical devices, measurement



Features	Benefits
Uses electrochemical technology instead of optical absorption, chromatography or spectrometry	Sensors are more robust and cheaper than current technology
Current sensor limit of detection results: 18 ppb for NH ₃ in N ₂ ; 0.9 ppm for NO ₂ in N ₂	More sensitive than existing chemiresistive sensors
Response time: 5 sec	Faster response times than optical absorption, chromatography and spectrometry or other optical probes
Active sensor area: 5 mm diameter	The sensor has a compact form factor
Typical power consumption: 0.1 mW	Low power requirements

Patented and Available for

- Co-development
- Consulting

- Licensing

To find out more, contact enquiries@innovation.ox.ac.uk and quote the project number.

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