







## AEM 1 Rogado

Table 2 Some commercial electronic noses presently available on the market. MOS: Metal-oxide-semiconductor. MOSFET: Field effect transistor. QCM: Quartz Crystal Microbalance. CP: Conducting Polymers. SAW: Surface Acoustic Wave. MS: Mass Spectrometer.

Company	Model	Features	Applications
Agilent Technologies	 <p>400</p>	Mass spectrometry	Chemistry and Pharmacy
Airsense analytics (Germany)	 <p>PEN2</p>	Sensors Array. Portable system	General purpose. Used in food quality control.
	 <p>alpha-Gemini</p>	MOS sensor array. Automatic sampler system. Data analysis based on "fingerprint" generation	Quick detection of odours and contaminants
AlphaMOS (France)	 <p>FOX</p>	Hybrid system: MOS, CP, QCM (6, 12 and 18 sensors) Automatic sampler system	Multiple applications in food, pharmacy and chemical industry
Applied Sensors (Sweden)	 <p>VOCcheck</p>	4 x QCM Sampling active probe. Portable (400g)	Quick identification of volatile substances, chemical compounds and detection of gas leaks.
	 <p>VOCmeter-VARIO</p>	8 x QCM or MOS wireless sensors, individuals and separated (up to 100m) of the CPU. Hybrid matrix	Emission control and process continuous control for the pharmaceutical and chemical industry.



At-line 3320

10 MOSFET + 5 MOS  
Automatic sampler. Not portable

Laboratory equipment developed in order to adapt to the user necessities and industry environment.

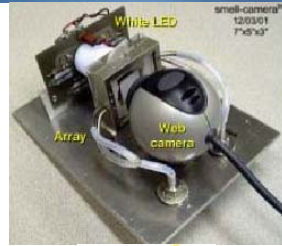
Bloodhound Sensors Ltd.  
(United Kingdom)



14 x CP  
Portable

Prototype for analysis in agroalimentary industry.

Chemsensing INC  
(USA)



Disposable miniaturize matrix of metalloporphyrines and digital colour camera. Portable

Medical diagnosis, quality control in foods and beverages, toxins control in workplaces.

Cyrano Sciences Inc.  
(USA)



CYRANOSE 320

32 x CP  
Sampling active probe. Portable

Agroalimentary, cosmetic, packaging, chemical and environmental industry.

Element Ltd.(Island)



Freshsense

MOS

Agroalimentary industry, detection of fish freshness.

Environics Industry Oy  
(Finland)



MGD-1

Chemical detector. Portable

Quality control of raw materials, in locations where gases and odours must be detected during the fabrication of products or when there is risk for health.

Electronic Sensor Technology Inc. (USA)



zNose 4200

SAWs sensors array combined with a rapid chromatographic column. It includes an internal sampling pump and a sample preconcentrator.

Qualitative and quantitative analysis in real time. Validated by the White House Office of Nacional Drug Control Policy for the drug traffic control in airports, vehicles, etc...



zNose 7100

SAW detector with autosampler and monitoring in real time.

Water analysis and quality control in products.

HKR-Sensorsysteme GmbH (Denmark)



QMS 60

6 x QCM with autosampler

Chemical analysis in labs and on-line analysis.

Forschungs-zentrum Karlsruhe. Technik und Umwelt (Germany).



KAMINA

Micromatrix: of 38 or 16 x MOS. Sampling active probe. Portable

Rapid characterization of environment, process control and quality control.

FSA Consulting (Australia)



AromaScan

32 / CP, Resistives Muestreador automático y unidad acondicionadora de aire

Odour detection in industry and agriculture.

Lennartz Electronic GmbH (Denmark)



MOSES II

8 x MOS or 8 x QCM Autosampler. Not portable.

Modular equipment to adapt to the user necessities. Very versatile for many applications in chemical and food industry.

Microsensor Systems, Inc.(USA)



Vaporlab

SAW. Portable.

Instrument for identification of chemical compounds. On-line process monitoring.

Neotronics Scientific (USA)



ENOSE 4000

12 x PC Autosampler. Not portable

Quality control, product development and environmental applications.

Osmetech plc (United Kingdom)



48 x CP  
Lab equipment.

Biomedical applications for the detection of microorganisms. Raw materials control in products for personal hygiene, plastics, etc...

RST Rostock Raumfahrt und Umweltschutz GmbH (Denmark)



Sam detect

QCM; SAW; MOS

Aerospatial applications. Environment monitoring of space and Chemical industries.

Smartnose (Switzerland)



Smartnose 300

MS with quadrupole. Autosampler. Not portable

Quality control and volatile compounds analysis. Complement for sensory analysis.

Technobiochip (Italy)



Libranose

8 x QCM  
Portable. Internal sampling pump.

Agroalimentary industry. Medical applications, etc...

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