

KRONOS Electronic Nose is a smell and Volatile Organic Compounds (VOC) analyzer. It consists of an autosampler and a Fingerprint Mass Spectrometry detection system. Its specificity is that headspace is injected globally in the system, without prior separation of chemical compounds.

System features

1 Headspace autosampler (32, 64 or 96 samples) adapted to different vial size and syringe volume.

2 KRONOS unit: features

- Mass spectrometer:
 - Carrier gas: Nitrogen
 - Heated splitless injection port: 250°C
 - Ionisation mode: Electron Impact
 - Mass range: 1-200 amu
 - Scan and SIM mode
 - MS-tune
- Electronic data acquisition and control system: the unit allows to measure and save all the mass data and system parameters

KRONOS upgradable to PROMETHEUS with Metal Oxide Sensor technology

3 Data processing and instrument control

- Autosampler control
- Data collection and storage
- Mass Spectrometry functionalities
- Complete multivariate statistics package for qualitative and quantitative analysis

