

SRA MicroGC Portfolio

Complete range of MicroGC systems for VOC analysis in laboratories, on-site and industrial production processes.

Compact, robust and customizable, they guarantee the best performance thanks to the SOPRANE CDS chromatographic software developed by SRA.



SRA R990

Powerful system, developed by SRA, to perform gas mixture analyses for industrial applications



Agilent 990 Micro GC

Versatile MicroGC gas analyzer that can be used for lab or out-of-lab applications



SRA R990: Industrial Target and System Integrators analyzer

The new R990 designed by SRA Instruments is a powerful gas analyzer. It uses the latest Agilent gas chromatography miniaturization technologies, to perform gas mixture analyses in a few seconds.

This μ GC is perfect to be used in the laboratories, in research or production departments with a particular aptitude to continuous analysis of process gases in gas distribution, pilot plants or synthesis reactors.

The system, available in desktop or rack cabinet version, is compact in its hardware organization but modular in the choice of the analytical configuration. SRA R990 incorporates an on-board computer with Windows 10 operating system and chromatographic and process software. The touchscreen LCD display, offers an easy-to-use feature to manage the start of analysis, instrumental diagnostics and measurement results.

The micro gas chromatograph can be easily integrated thanks to the various communication and automation possibilities, such as Modbus outputs, relays and analog inputs / outputs.

The analytical architecture consists of modules containing injector, column and microTCD detector, installed in parallel and suitably chosen in number (up to 4) and in the type of column to solve the separation of the compounds.

The new Agilent architecture allows the replacement of the individual components (injector, column and detector) of the chromatograph directly on-site.

Applications:

R990 is perfect for Industrial applications and Systems Integrators, in particularly for: analysis of fuel mixtures, such as natural gas, hydrogen, biogas and biomethane, where it is used for the measurement of the composition, calorific value and impurities present in gases.

*Designed by
SRA Instruments*



MORE INFO:



METROLOGY
CERTIFIED



The Metrological Certification of the MicroGC R990 for the measurement of the Calorific Value of Biomethane associated with a volume conversion device in accordance with the OIML-R140:2007 standard is in progress

Agilent 990 MicroGC: in-lab analyzer

The MicroGC Agilent 990 has been developed to satisfy the laboratories needs that require reliable gas analysis without wasting valuable space. This system combines innovative features with quality and speed that are critical to gas analysis. It delivers actionable results in seconds, using half the bench space and less than half the power of most traditional GCs. Various configuration options offer up to four channels of separation and detection.



Lab version
On-site measurement

Main key features:

- **Speed of analysis:** the clever selection of short, narrow bore, and high-speed columns, in combination with a backflush option, provide the fastest cycle times
- **Flexibility:** changing GC channels has never been easier. Furthermore with 14 column chemistries to choose from, there is always a perfect match to any application.
- **Sensitivity in gas analysis:** whether you are interested in gas composition, odorants, air quality, mine safety or mud logging, the 990 provides quality results with unmatched repeatability and sensitivity down to 0.5 ppm.

A wide variety of sample handling accessories meets the needs of in-lab analysis, including:

- Full range of Stream Selector Valves for easy switching between samples and calibration or verification gas
- Genie filters to ensure that no droplets nor particles enter the injector
- A touchscreen for quick status updates
- Optional sample pressure-reducing equipment
- Modular construction lets quickly reconfigure the system using plug-and-play GC channels.

MORE INFO:





Agilent 990 MicroGC: out-of-lab analyzer

Agilent developed this portable and self-contained MicroGC system for on-the-go measurements. It includes a rugged field case with onboard gas cylinders and rechargeable batteries, is able to analyze gas samples wherever and whenever it is needed.

The field case, containing up to 4 GC channels, provides fast, repeatable and lab-quality analysis results like the 990 lab version. The optional mobile license enables to wirelessly connect through a phone or tablet, effectively eliminating the need to carry cables and a laptop. Analysis results can be viewed in full or reported in true/false. Configurable alarms further improve follow-up actions by the operator.

Main key features:

- **Rugged field case:** it ensures that the equipment arrives in ready-to-go condition at the analysis site
- **Flexibility:** the one-size field case accommodates one to four 990 Micro GC channels. These are installed in minutes and are compatible with the lab 990 version
- **Usability:** two high-performance batteries and two gas cannisters ensure up to 16 hours of operation.
- **Wireless connectivity:** the optional mobile license enables wireless connection with phone or tablet significantly reducing your carry-on luggage.



*Mobile version
Your go-anywhere GC*

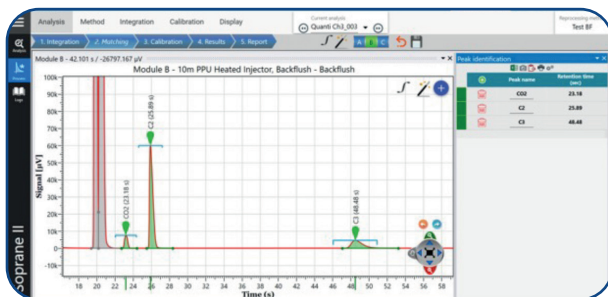
MORE INFO:



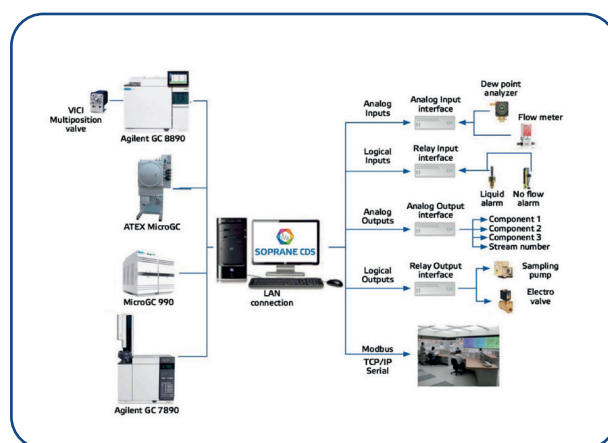
SRA Soprane CDS MicroGC Software

Soprane CDS is a powerful software platform, designed by SRA Instruments, which manages the gas chromatographic analysis and all the logical integration of the analyzer in the specific context of the measurement: from the automation phase of the sampling to the integration of the signals, until the transmission of the results and the alarms.

Thanks to an innovative and modern architecture, Soprane CDS increases the applicability of the technique also to areas outside the laboratory, such as monitoring and online analysis, solving real operational needs and improving the user experience.



Soprane CDS installed on 1 PC can simultaneously control 4 instruments, from which it acquires and processes signals, generates data, performs calculations, and automatically transmits results, generates personalized and customizable reports.



From managing sampling systems to communicating with analyzers and external interfaces, this software is a smart control center. The efficient management of the equipment, the collection and integration of signals, the saving of data and the transmission of results to the various control systems of the production plants, guarantee an optimization of all the operating parameters involved.

Its modern and user-friendly interface makes analysis results and graphical trends easy to view.

To meet specific needs, the software can be customized with user-program writing to make the user experience more and more enjoyable!



MORE INFO:



Soprane CDS: the software to enhance your gas chromatography experience.



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