

the power
is in your hands.



Agilent 3000 Micro GC Family

**Faster. Easier.
And it puts you in control.**





The Agilent 3000 Micro GC family.

A breakthrough solution for your industry.

Now you can do things on site that were never before possible. Our family of Agilent 3000 Micro GCs lets you get fast, lab-quality gas measurement anywhere, at any time. What's more, these GCs can be reconfigured on site in minutes, not hours. That means less downtime, more productivity. With freedom like this, there's no telling how far you can go.



fast results!

No more sending samples to the lab and waiting for results!



The Agilent 3000 Micro GC product line includes a two-channel unit.

Agilent Technologies, a worldwide leader in chemical analysis, has developed a powerful GC solution. The Agilent 3000 Micro GC family includes one- to four-channel Micro GCs.

These are fast, portable, and easy-to-use units for analyzing any gas sample—right at the sampling point. It's ideal for the rapid analysis of gas streams in fuel cell development and the hydrocarbon processing industry, including refineries, natural gas production and distribution, chemical operation, and oil and gas exploration.



Four-Channel and Two-Channel Micro GCs

Because these Agilent 3000 Micro GCs can simultaneously analyze your sample on up to four independent Micro GC channels—modules—you can analyze any type of complex gas stream in seconds. The easily interchangeable modules make reconfiguration and repair quick and simple, to keep you in control. And when configured with a laptop, the system is easily transportable.

Micro GC Portable

This GC is ideal for fieldwork, test stations, pilot plants, and process lines. There are two versions, one with on-board batteries and mini carrier gas cylinder (both rechargeable) and an even more economical model with an on-board carrier gas cylinder but no internal power source. The system's modularity lets you replace modules quickly if needed, with minimal downtime.

In combination with Agilent's 35 years of chemical analysis expertise, the 3000 Micro GC family gives you instruments you can take anywhere. This means on-the-spot answers, with all the speed, size, sensitivity, and simplicity of microGC technology. And backed by Agilent's industry-leading expertise and support.



The Agilent 3000 Micro GC Portable does not require an outside power source or external carrier gas supply and is easily hand-carried.

With this innovative modular design, you're always up to speed.

Fast, simple, and transportable. These Micro GCs pack big advantages.

With the Agilent 3000 Micro GCs, there's no need to wait for lab results. You get fast analyses at your sampling point. With immediate access to the data, calculated to your specifications. Or you can forward data off-line for processing.

Agilent's Cerity Networked Data System (NDS) for Chemical QA/QC software enables non-chromatographers to generate data routinely, continuously, or overnight. And the system is totally transportable. When interfaced with a laptop, the system can be carried to any site, anywhere.

Analyze complex streams with a single injection.

Multiple channels make analyzing complex samples quick and easy. Each channel or module is a self-contained GC comprised of a micro-machined injector and detector and a high-resolution capillary column. As a result, you can simultaneously analyze your sample on up to four different columns, depending on the model you select, using four different sets of operating conditions—expanding your separation capabilities without compromising speed.

Most analyses are completed in less than 160 seconds with a detector system that is 10 times more sensitive than traditional thermal conductivity detectors. Plus, digitally controlled pneumatics coupled with an extended dynamic range enable you to analyze gas streams containing major and minor components with a high degree of precision and accuracy.

The Agilent 3000 Micro GCs are designed for maximum uptime. Interchanging the hand-held modules is easy—you can complete the task in minutes, on site, without special equipment.



Set-up is simple with easy access to clearly identified connections and interfaces.

• Easy to use software

The software is sample focused and requires just a few mouse clicks to start the analysis and generate the report. And if needed, data collected overnight can be reprocessed the following day.

• Easy troubleshooting and in-field repair

The modular design maximizes uptime, with repair as simple as exchanging one module for another. You can be back up and running in less than an hour.

• Remote start/remote access

No need to be on site to start sampling operations. Plus, LAN connectivity allows for remote access to the instrument and its data.

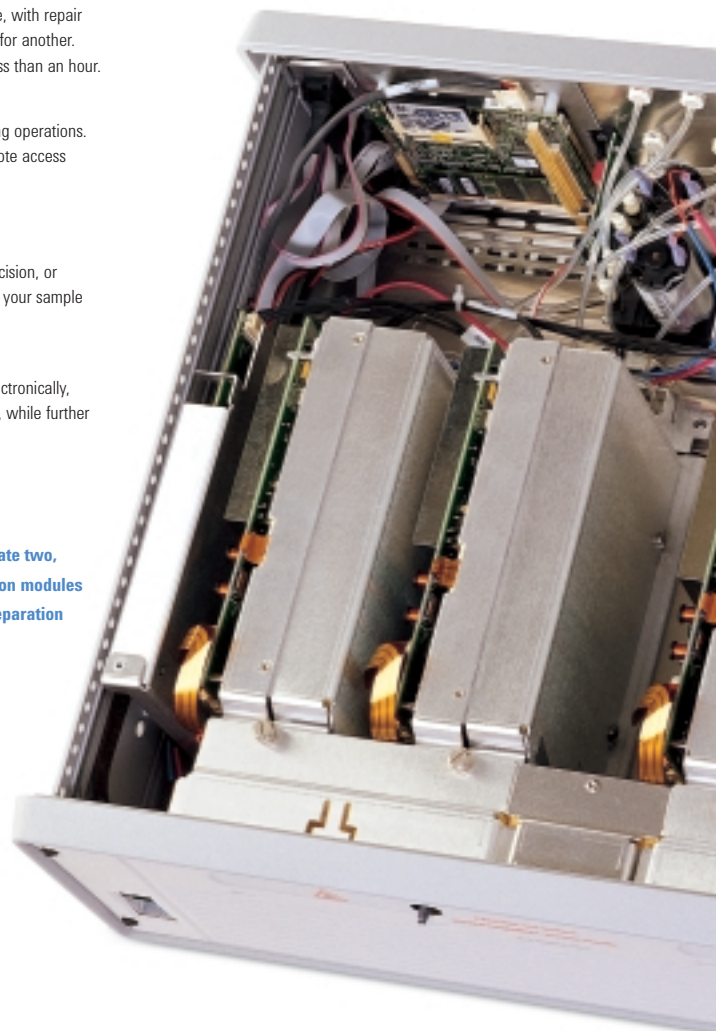
• Variable, fixed or backflush injection options

Increase sensitivity, maintain high precision, or remove unwanted contaminants from your sample with these injector options.

• Digital pneumatics

By controlling carrier gas pressure electronically, reliability and precision are enhanced, while further simplifying operation.

A powerful chassis. Choose to operate two, three... up to four different separation modules simultaneously—expanding your separation possibilities.



Select from a number of available *sample conditioners* designed for gas stream pretreatments — each compact and easy to install.

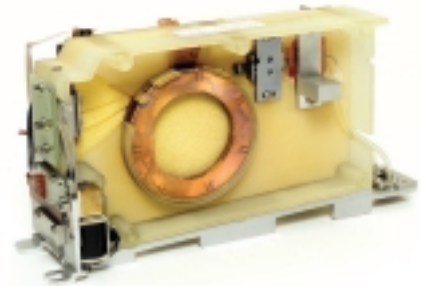
Surprisingly easy to use.

The unique modular design not only makes in-field troubleshooting and repair simple, but it affords greater flexibility and increased return on investment. With a back-up module configured for alternate applications, you can accommodate a wider variety of chemical analysis needs with the same system.

Agilent's software makes complex measurement both simple and convenient. With this software, you can initiate sample control, data acquisition, and reporting in minutes. Flexible sample programming allows you to designate sample intervals — for example, every 15 minutes — for a specified number of sampling periods. Or you can opt for interval sampling to run continuously. Working from Microsoft® Windows-style screens, the operator selects sample, instrument, and method options, and can then walk away.



On all models, built-in LAN communications enable remote access for system control, data collection and analysis. The system can be configured to support OPC data transfer, and output types include TXT, HTML and CSV formatted files. Moreover, you can link all Agilent 3000 Micro GCs, which all run on the same software platform.



The Agilent 3000 Micro GC is designed for maximum uptime. Interchanging these hand-held modules is easy—you can complete the task in minutes on site, without special equipment.



Customize a system to fit your application needs, or choose from one of our pre-configured options.

Gas Analyzer System Configurations

	Custom Configured System	NGA System	RGA System	Fuel Cell System	Micro GC Portable System
No. of channels	1, 2, 3, or 4	2	4	2 or 3	1 or 2
Type of injector/column	fixed, variable, or backflush	fixed	fixed and backflush	backflush or variable	fixed, variable, or backflush
No. of carrier gas ports	1 or 2	1	2	2	1 or 2
No. of inlet ports	1 or 2	1	1	1 or 2	1 or 2
Sample conditioners	choice of 7	choice of 2	choice of 3	choice of 7	choice of 5
Control and Data Acquisition Software	Cerity Networked Data System	Cerity Networked Data System	Cerity Networked Data System	Cerity Networked Data System	Cerity Networked Data System
Applications Report	Calorific Value Report, Refinery Gas Report, and Standard Chromatographic Report	Calorific Value Report	Refinery Gas Report	Standard Chromatographic Report	Calorific Value Report, Refinery Gas Report, and Standard Chromatographic Report
Computer	laptop or desktop	laptop or desktop	laptop or desktop	laptop or desktop	laptop
External input/output	remote start/LAN	remote start/LAN	remote start/LAN	remote start/LAN	remote start/LAN

Let an Agilent expert help configure a system just for you.

No matter what your gas analysis needs are, you can count on Agilent's 35 years of chemical analysis expertise to help you determine your Micro GC system needs. Our application specialists can assist you in designing a Micro GC system specifically for your applications. We can fully customize a system to meet your needs, or you can select one of our pre-configured systems optimized for natural gas analysis, refinery gas analysis, or fuel cell applications.

For natural gas and refinery gas applications, Agilent makes it simple by offering optimized configurations as standard with choices of sample conditioners, and a number of support options. For fuel cell applications, Agilent has optimized application technology for this industry and can assist you in selecting module configurations that work best for you.

Service options for maximum uptime.

With Agilent as your chemical analysis partner, analytical knowledge, technical support, and training are just a phone call or click away. We can help maximize the return on your investment. We'll provide preventive maintenance tips to help you keep your Micro GC system consistently running at peak performance. But in the event your instrument requires service, Agilent offers a variety of options to accommodate your time and budget needs.

- **On-site Agilent Service**

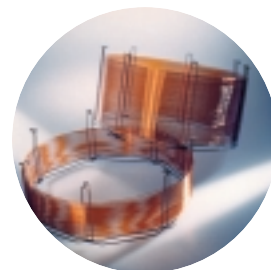
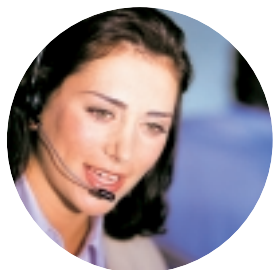
Agilent will send a service representative to your site to handle the repair for you.

- **Agilent Factory Service**

You can ship your Micro GC module directly to Agilent for timely repair. Plus, with our *Module Exchange Program*, Agilent will ship a replacement module within 24 hours to minimize downtime waiting for your repaired module.

Custom configuration and ordering support. Installation and training. Applications and technical support. Instrument repair and exchange. Even Agilent's PerfectFit supplies. The Agilent 3000 Micro GC family is truly a breakthrough solution.





Our technology continually evolves.

Our commitment stays constant.
knowledge

We know chemical analysis technology will continually evolve. But, what remains constant is our commitment to sharing our knowledge with you to keep your systems operating at peak performance and improving your business' bottom line. Technical support. Training classes. Applications expertise. Repair and service contracts. Agilent doesn't just develop instruments, we develop total business solutions.



"We become part of your team. From system configuration through ongoing applications expertise, we're right by your side."

Donna Mazur
Agilent 3000 Micro GC
Product Manager

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