

Model 8610C Gas Chromatograph

- Mounts up to Six Detectors and Five Injectors
- Ambient to 400°C Temperature Programmable Column Ovens
- Dimensions: 19" wide x 13.5" high x 14.5" deep
- Implement virtually any EPA or ASTM method

The Model 8610C Gas Chromatograph is our most versatile and popular model. While it is very compact next to comparable laboratory GCs from other manufacturers, it is large and flexible enough to perform an amazing variety of applications. See our Preconfigured GC section (starting on page 3) for examples of the 8610C adaptability.



GC Chassis Types

Up to six detectors can be installed on the same 8610C GC.



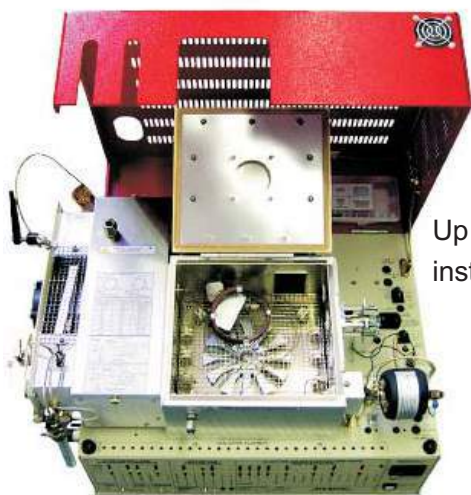
ECD

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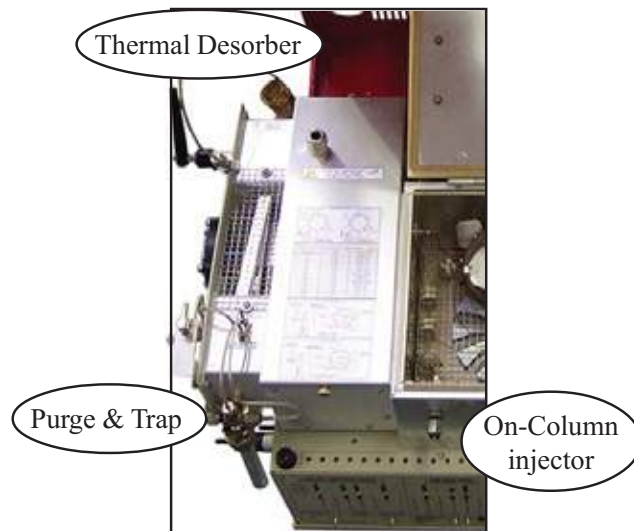
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Model 8610C Gas Chromatograph



Up to five injectors can be installed on the same GC.



The 8610C column oven is temperature programmable from ambient to 400°C with unlimited ramps and holds, and fast cool-down. This airbath oven can hold a standard seven inch diameter megabore column cage or multiple columns with smaller coil sizes.

The 8610C chassis can be configured to implement virtually any EPA or ASTM method while remaining small enough to ship via FedEx. A reusable shipping crate comes with every GC.



Standard Equipment:

Model 8610C chassis; ambient to 400°C column oven; On-Column injector with carrier EPC; PeakSimple data system; “at-a-glance” display of temperatures, pressures, voltages and detector parameters; operator’s manual; accessory kit; heavy duty re-useable shipping container. To completely configure a Model 8610C GC, most users will need to specify one or more detectors, injectors and columns. Some users may also need a Gas Line Installation Kit (see page 77) for each gas required (helium, hydrogen, nitrogen, etc.).

8610-1003 Model 8610C chassis with 1 channel USB PeakSimple data system

8610-6003 Model 8610C chassis with 6 channel USB PeakSimple data system

VOLTAGE: for 115VAC, use “part number-1” [ex: 8610-1003-1] for 230VAC, use “part number-2”

Model 8610D Dual Oven Gas Chromatograph

- Dual Ambient to 400°C Temperature Programmable Column Ovens
- Dimensions: 19" wide x 13.5" high x 14.5" deep
- Mounts up to Six Detectors and Five Injectors

The Model 8610D Gas Chromatograph is the only commercially available dual oven GC. It is similar to the 8610C, except that two smaller column ovens are substituted for the larger 8610C column oven. Both of the dual ovens are independently temperature programmable from ambient to 400°C, with unlimited ramps and holds, plus fast cool-down. Each 8610D column oven can accommodate a four inch diameter wound column, capillary or packed. Almost all column manufacturers now supply columns of this size. The dual column ovens can be used to accomplish sophisticated multidimensional GC separations, where the peaks eluting from one column are transferred to another column for further separation. The dual ovens can be used to double sample throughput for “two GCs in one” cost and space savings.



Standard equipment:

Model 8610D chassis; dual ambient to 400°C column ovens; On-Column injector (oven #1 only) with carrier EPC; single channel PeakSimple data system; “at-a-glance” display of temperatures, pressures, voltages, and detector parameters; operator’s manual; accessory kit; heavy duty reuseable shipping container. To completely configure a Model 8610C GC, most users will need to specify one or more detectors, injectors, and columns. Some users may also need a Gas Line Installation Kit (see page 77) for each gas required (helium, hydrogen, nitrogen, etc.).

8610-1004 Model 8610D chassis with 1 channel USB PeakSimple data system

8610-6004 Model 8610D chassis with 6 channel USB PeakSimple data system

VOLTAGE: for 115VAC, use “part number-1” [ex: 8610-1004-1] for 230VAC, use “part number-2”

Model 8610V Gas Chromatograph

and 120-Vial Autosampler

- Direct syringe injection Ovens
- Electrically operates - no gas actuators
- Variable injection volume
- Uses off the shelf syringes
- Dual inlet injection capability
- Multiple solvent/waste bottles
- Multiple samples per vial
- Air gapping capability



The 8610V GC is the perfect size GC and autosampler for a crowded lab bench or for field use with easy to ship containers (included). It is the vertical column oven version of the well proven SRI 8610C GC, of which thousands are in use, and can be equipped with any of the 16 detector choices, 12 injector choices, and dozens of accessories already available. The 120 vial liquid autosampler uses 2ml sample vials, can rinse with two different solvents, allows for internal standard addition and can inject into two different injectors (if the GC is so equipped). Ten different autosampler methods can be programmed using the convenient control panel. No gases are required, just electric power, for autosampler operation. The 8610V GC combined with the 120-Vial Autosampler is the lowest cost, most compact GC/ Auto-sampler system available, is field portable, and can be equipped to perform almost any GC analysis.

INCLUDED FEATURES

- | | |
|--------------------------------------|---|
| • 120 vial Liquid Autosampler | • Ships easily by FedEx/UPS |
| • Flame ionization detector (FID) | • Small footprint for crowded lab bench |
| • On-column injector | • Many detector/injector options |
| • 400°C column oven | • Friendly, easy to reach tech support |
| • PeakSimple Data System | • Free training |
| • Field portable system | • Two Year Warranty |
| • Heavy duty shipping containers | • Made in USA |
| • Low power consumption (<1000watts) | |

8610-2003	Model 8610V Gas Chromatograph with vertical injector 1 Channel USB
8610-7003	Model 8610V Gas Chromatograph with vertical injector 6 Channel USB
8640-0001	Model 8610V 120-Vial Autosampler

VOLTAGE: for 115VAC, use "part number-1" [ex: 8610-2003-1] for 230VAC, use "part number-2"

Model 8610V Gas Chromatograph

and 110-Vial Autosampler



- Ambient to 400°C Temperature Programmable Column Oven
- Unlimited Ramps and Holds
- Multiple Columns and Detectors

The Model 8610V Gas Chromatograph is one of our most popular models. While it is very compact next to comparable laboratory GCs from other manufacturers, it is large enough and flexible enough to perform an amazing variety of applications. The 8610V column oven is temperature programmable from ambient to 400°C with unlimited ramps and holds, and fast cool-down. The larger oven accommodates multiple columns and detectors.

The all electric sample system eliminates air bubbles, and the variable fill speed allows for a wide range of sample viscosities. The syringe may be washed with solvent or sample.

AUTOSAMPLER FEATURES

- Holds 110 2mL vials
- Methods Linking
- Multi-Step Automatic Injection Sequence
- Direct Injection, No Transfer Lines

MEMORY OPTIONS

- Analytical method
- Number of injections for each sample
- Pre and Post washing solvent position
- Internal standard position (if used)

The Autosampler is made to meet the high throughput injection needs of your GC analysis. The swivel head design simulates the movements of manual direct injection and eliminates the need for transfer lines, as well as leaving the injection port free for manual injections. Up to 10 analytical methods may be stored in the Autosampler memory.

Let us help you custom configure your 8610V to implement virtually any EPA or ASTM method

8610-2003 **Model 8610V Gas Chromatograph with vertical injector 1 Channel USB**
8610-7003 **Model 8610V Gas Chromatograph with vertical injector 6 Channel USB**
Model 8610V HTA 110-Vial Autosampler

VOLTAGE: for 115VAC, use “part number-1” [ex: 8610-2003-1] for 230VAC, use “part number-2”