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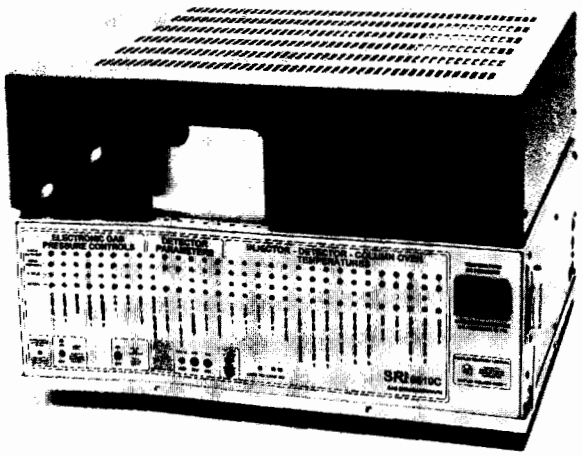
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Find the *SRI Instruments 8610C* at our website: ***Click HERE***

8610C GC Series
SPECIFICATIONS



Detectors*:	Approx. Limits	Application
TCD	100ppm	All
PID	10ppb	Aromatics
ECD	1ppb	Halogens
FID	1ppm	Organics
NPD	1ppm	Nitrogen and phosphorus compounds
FPD	50ppb P/500 ppb S	Sulfur or phosphorus compounds
DELCD	10ppb	Selective halogens
HID	10ppb	Trace gas analysis
FID-DELCD		Confirms halogenated peaks
NPD-DELCD		Nitrogen-phosphorus-chlorine pesticides
FID-FPD		Organics and sulfur/phosphorus
FPD-FPD		Sulfur and phosphorous simultaneously

*Configure a 8610C GC with up to four detectors.

Common Configurations:
BTEX (Methods 8020 & 8015)
Environmental/Air Monitoring (Methods T014, 8010 & 8020)
Multi-Gas (BTU analysis, fixed gases-hydrocarbons to C10)
CFC (Refrigerant analysis)
SPME (Fast environmental screening)

Injectors**:

On-Column	Built-in Purge & Trap
Heated	Purge & Trap Autosampler (10 vials)
Split/Splitless	Fast SPME
Liquid Autosampler	Thermal Desorber (solids)
Gas Sampling Valve (up to 3)	On-line Purge & Trap/Stream selector

**Configure a 8610C GC with up to four injectors.

Oven:
Large Column oven size: 7.8" x 7.5" x 3.0" (19.8 x 19.0 x 7.6 cm)
Sm. Column (dual ovens) size: 5.2" x 7.5" x 3.0" (13.2 x 19.0 x 7.6 cm) right side
4.5" x 7.5" x 3.0" (11.4 x 19.0 x 7.6 cm) left side

Column Oven Temperature:
Ambient to 400 °C, unlimited ramps and holds , .01°C resolution, .1°C stability.

Temperature/Pressure display:
"At-a-glance" multifunctional digital LED display indicates set and actual temperature for heated zones, pressures, detector voltages, and currents.

Carrier gas flow control:
Electronic pressure control (EPC) of all system gases. Pressure-programmable from 0 to 80psi, user-programmable at up to 99psi per minute, from within PeakSimple Data System software.

PeakSimple Data System:
Includes PeakSimple Data System for integration, hardware automation, and control. Hardware mounted internally inside GC. Four detectors input into a serial port connection to a PC compatible computer (Windows 3.11 & Windows '95 software).

Weight:
40 to 70 pounds (18 to 32 kilos) depending on configuration.

Dimensions:
19.5"W x 14.5"D x 12.5"H (49.5 x 36.8 x 31.8 cm)

Power Requirements:
110VAC, 60 Hz standard equipment. 220VAC, 50 Hz available as an option. Consumption approximately 750-1500 watts. May be operated from a portable generator or inverter.

Warranty:
Two years parts and labor. See statement of warranty shipped with the GC.

SRI

SRI Instruments
Chromatography Systems

20720 Earl Street
Torrance, CA 90503 USA
Tel: 310.214.5092
Fax: 310.214.5097
Internet: http://ourworld.compuserve.com//homepages/srigc
email: srigc@compuserve.com

SRI

PARTIAL LIST OF USERS:

Air Liquide America	Allied-Signal
AMOCO Chemical	ARCO Products
Argonne National Laboratory	Borden Chemical
BP Oil	California State University-various
Chevron Oil	Colada Continua Chilena, Chile
C.A. COSTEL, Venezuela	Daejo Biotech, Korea
Eastman Kodak	Food Products Lab
Goodyear Tire and Rubber Co.	Groundwater Technology
Indiana State University	Instituto de Salud, Colombia
IT Corporation	Kerr McGee
Lawrence Berkeley National Lab.	Lawrence Livermore National Lab
Lockheed Martin Energy Systems	Los Alamos National Laboratory
McMullen Oil Products	Monsanto
Nat'l. Center for Disease Control	NIST
Oak Ridge National Laboratory	PEMEX, Mexico
Proctor & Gamble	Purdue University
Rotenco, S.A. Mexico	Sandia National Laboratory
Shell Oil	Tektronix
Texas A & M University	Unocal
University of California-various	University of Notre Dame
USDA Forest Service	US Army
USAID	US Customs Service
US Dept. of Agriculture-NEMEC	US Environmental Protection Agency
Utica Toxicology Service	Westinghouse Electric Corp.

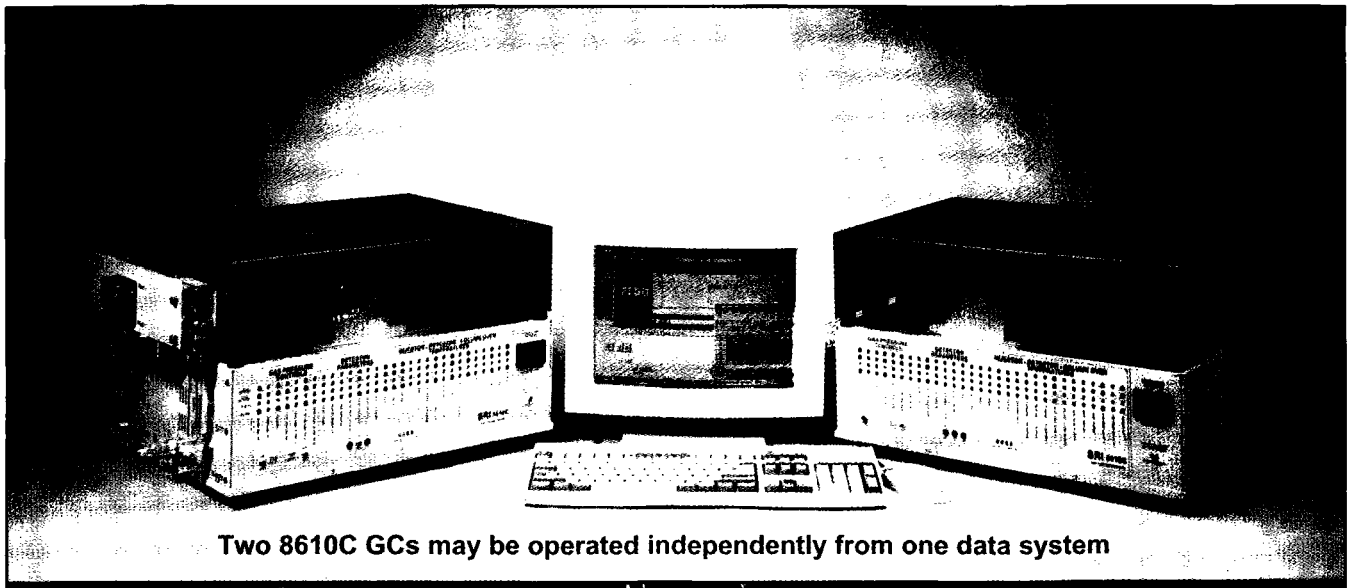
Customer satisfaction is very high among our users. A list of references is available upon request.

List of users does not imply endorsement.

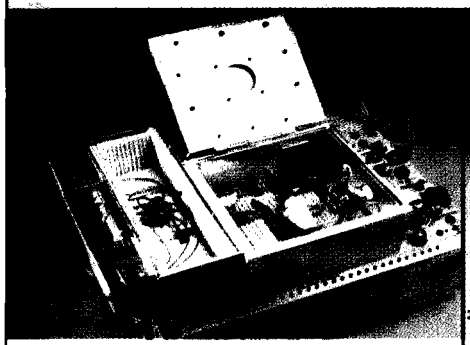
The 8610C Gas Chromatograph

from

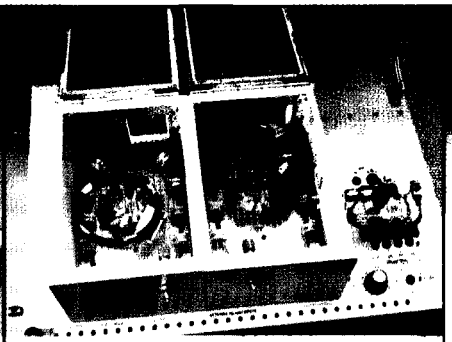
SRI Instruments



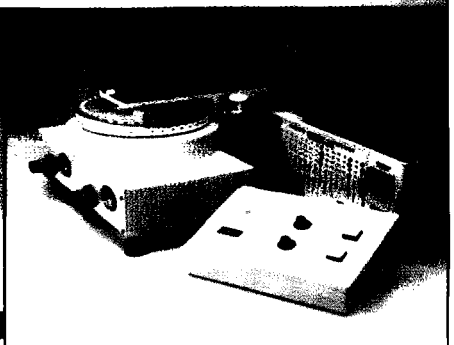
Two 8610C GCs may be operated independently from one data system



Single Oven GC (BTEX GC shown)



Dual ovens for special applications



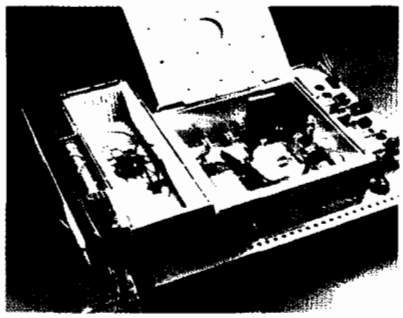
8610C GC with Liquid Autosampler

Offering the most performance, quality, portability, and value for use in the field or in your lab, the **SRI Instruments** 8610C gas chromatograph is equipped with all of the features sought by demanding chromatographers. A fast-cooling column oven, programmable from ambient temperature to 400°C at up to 40°C per minute, and standard on-column injection port accept both packed and capillary columns with ease. Six additional injector options are available, including split-splitless and purge-and-trap concentration. All system gases are precisely regulated under **Electronic Pressure Control** (EPC), and you may also program the carrier gas column head pressure as your application requires. All system temperatures, pressures, voltages, and currents are displayed on a bright red digital display, and SRI's exclusive **"at-a-glance"** LED display provides you with a quick visual indication of the status of all controlled zones. Up to four detectors may be mounted on the 8610C GC chassis, as the system is equipped with a **built-in 4-channel serially-interfaced data system**, complete with our PC-compatible **SRI PeakSimple** data system software, in MS-DOS, Windows 16- and 32-bit versions, for your desktop or portable PC...

The Fully-featured SRI 8610C Gas Chromatograph

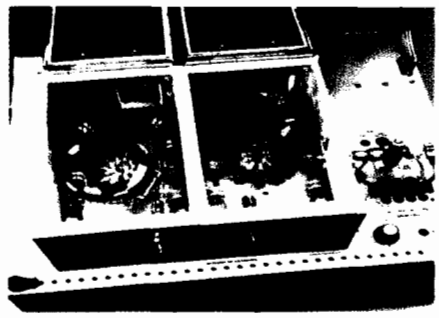
Optimize Your Chromatography Operations With An Affordable State-of-the-Art GC System That Will Perform Your Most Complex Methods With Ease

High-Temperature, Fast-Cooling, Insulated Column Oven



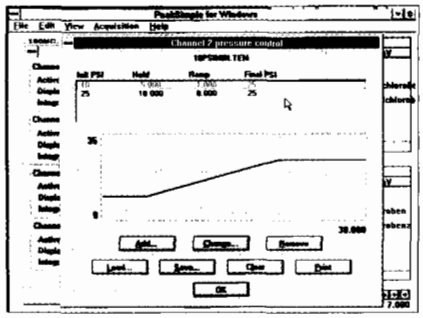
The column oven is capable of operation from ambient temperature to 400°C, both isothermally, and by temperature programming with unlimited ramps and holds. Ramp rates of up to 40°C per minute, and assisted cooling from 250°C to ambient in 5 minutes or less, are easily acheived.

Dual, Independently-Programmable Column Ovens



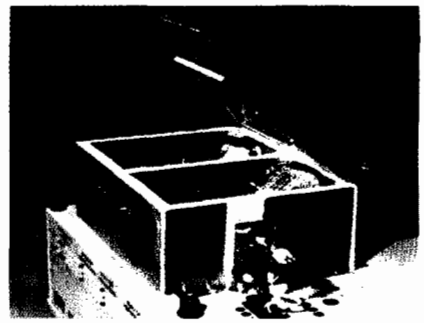
Dual, independently temperature-programmable column ovens may be mounted on the same GC, for "two-GCs-in-one" applications and maximum efficiency. Multidimensional chromatography is also possible using a dual oven 8610C GC, the ideal platform for complex separations.

Full Electronic Pressure Control (EPC)



Optimize your chromatography using electronic pressure control. The 8610C GC allows you to control your column head pressure during an analytical run with the ease of temperature programming. A considerable reduction in analysis time may be obtained using EPC. All GC system gases are EPC-controlled for maximum precision.

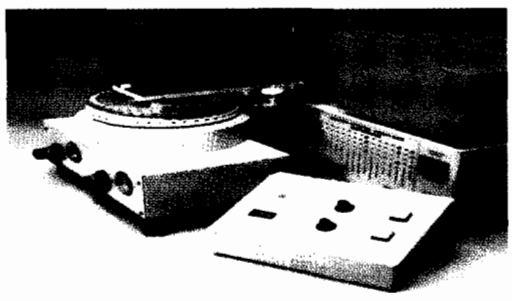
Up To 4 Detectors On The Same GC Chassis



Up to 4 GC detectors may be mounted on the 8610C GC chassis, for maximum versatility (PID, FID, TCD, FPD, NPD, ECD, DELCD, HID). Each detector is equipped with full electrometer / amplifier electronics and an adjustable heated zone for maximum detector stability. ECD and TCD detectors feature dedicated detector ovens.

Seven Different Injector Options Available

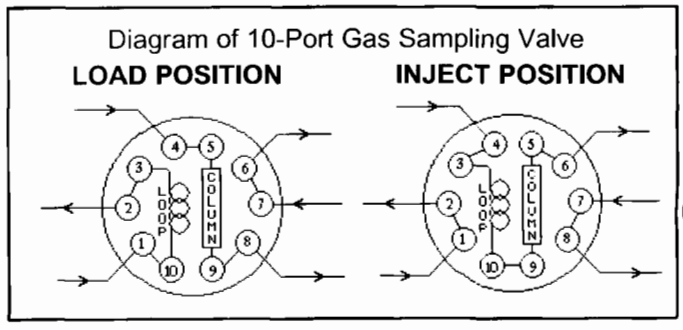
A direct on-column injection port is provided as standard equipment. Heated, split-splitless injectors, dual injectors, liquid autosamplers, gas sampling valves, thermal soil desorbers, and purge-and-trap systems are also available.



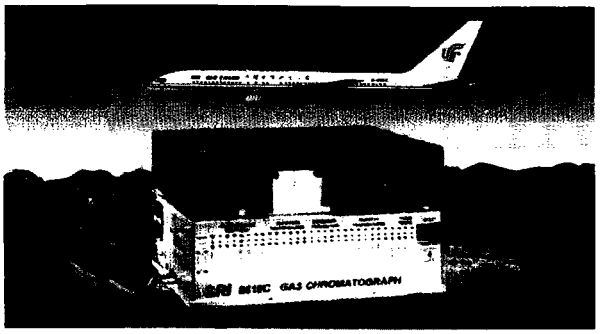
Valves For Loop Sampling, Backflush, More

Up to 3 manual and data system-controlled gas sampling valves may be mounted, heated or unheated, on the 8610C GC for gas loop sampling, stream selection, analysis with backflush, and other applications as your analyses require.

Diagram of 10-Port Gas Sampling Valve

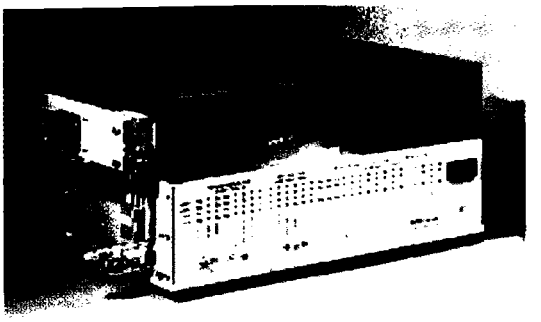


Easily Transported Via UPS Or As Airline Baggage In Protective Shipping Container



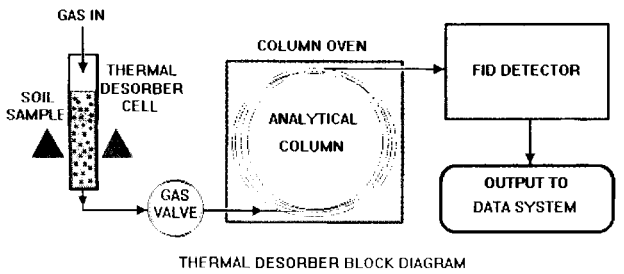
All SRI 8610C GCs are provided with a protective, reuseable plastic shipping container appropriate for shipment via UPS, FedEx, and DHL. The container, safely securing the GC inside, is resistant to rough handling, and meets IATA and FAA dimensional requirements for accompanied baggage.

Built-in EPA Style Automated Purge-and-Trap Sampler, 10 Station P&T Autosampler Options



8610C GCs may be equipped with a built-in automated purge-and-trap sampler for concentration of purgeable organics down to the ppt level. A 10-station autosampler accessory is also available for automated, unattended analysis of multiple samples under data system control.

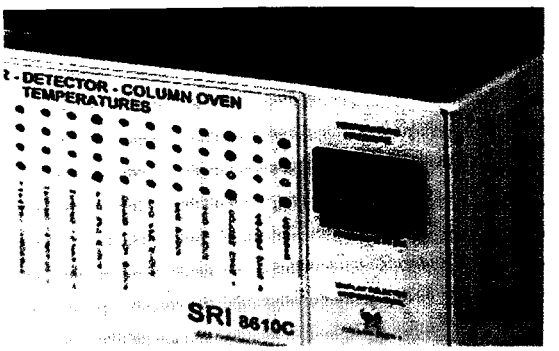
Thermally Desorb Your Soil / Solid Samples



THERMAL DESORBER BLOCK DIAGRAM

A thermal desorber accessory may be mounted on the 8610C GC. The desorber allows you to inject semivolatile analyte in a soil or solid sample without the accustomed extraction and concentration. The elimination of sample preparation speeds the analysis, reduces manipulation errors, and improves detection.

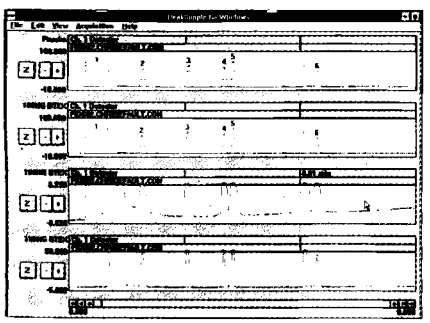
Know Your GC's Run Status "At-A-Glance"



The front control panel of the 8610C GC is equipped with an "at-a-glance" panel display that allows you to see the operational status of your GC system from across the lab, as the status of every controlled zone and sampling valve is visible on a bright LED display. Temperatures, pressures, and voltages may also be displayed on a bright LED meter.

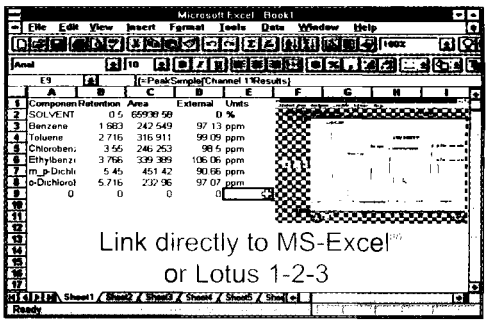
Built-in Serial 4-Channel Data System for PC

A 4-channel, serially-interfaced data acquisition system is built into the 8610C GC. No additional data acquisition hardware is required. One, two, three, or four channels may be acquired, integrated, displayed, and printed simultaneously. A provided DB-9 type RS-232 serial cable connects the GC to an open COM port on any IBM-compatible desktop, notebook PC. MS-DOS, Windows, and Windows '95 data system software versions included.



DDE And Other Important Windows Features

Link PeakSimple to your DDE-compatible Windows applications, such as Lotus 1-2-3®, MS-Excel®, MS-Word®, and WordPerfect®. Your analytical results are automatically transported and updated to any open, linked spreadsheet or document, facilitating customized report generation, chart and graphic creation. Baseline subtraction, chromatogram overlay, on-screen retention window display and editing, and color printing are also included in our Windows versions.



8610C GC System Specifications



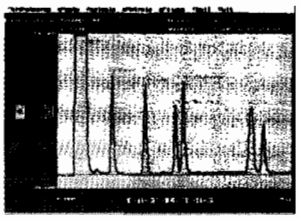
Made with pride in the U.S.A.

GC Software

PeakSimple II for MS-DOS™ / PeakSimple for Windows™ / PeakSimple for Windows '95™

Data System Features: Four total; 1, 2, 3, or 4 channels may be displayed simultaneously. Dual, independent timebases for control of two analytical runs. Dual, independent groups for control of two GC systems. Sample rates of 1, 2, 5, 10, 20 and 50Hz available (50Hz single channel operation). Independently selectable remote start on any channel for either control group. Automatic, manual, and timed data integration available on each channel. Data files may be stored to disk in binary or ASCII text format.

Computer Requirements: DOS version - IBM PC-compatible XT, 286 CPU or higher, with minimum 580KB of available conventional memory at system start-up, 2MB hard disk space for installation. 9-pin dot matrix or laser / inkjet printer. Windows™ version - minimum 386 CPU, Windows™ enhanced mode, 4MB RAM, 2MB hard disk space for installation. Any Windows™-supported printer. Color printing of chromatograms is fully-supported. Common to both DOS and Windows™ versions - Hard disk drive, 3.5" high-density floppy disk drive, and one open, unshared COM port required. COM 1, 2, 3, and 4 selectable. Mouse recommended. Hercules, CGA, EGA, VGA, SVGA video formats supported.

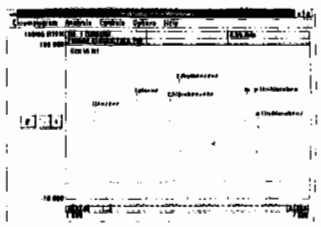


MS-DOS version

for use with the SRI Serial Data System and non-Windows capable PCs - offers most Windows features for MS-DOS users

Windows version

for use with the SRI Serial Data System and Windows or Windows '95 (in true 16- and 32-bit Windows versions)



Spanish and German PeakSimple for Windows® versions available.

GC Hardware

SRI 8610C Gas Chromatograph — Two-Year Warranty

Column Oven: Ambient to 400°C, insulated. 7.8" x 8.0" x 3.0" (19.8 x 20.3 x 7.2 cm). Dual oven model available.

Temperature Program: Unlimited ramps, holds. Program column oven temperature at up to 40°C per minute to 400°C. Recycle from 250°C to 50°C in 5 minutes or less. Optional cryo turbo-cool available.

System Gases: Electronic pressure (pneumatic) control (EPC) of all system and detector gases.

Pressure Program: Unlimited ramps, holds. Program carrier gas pressure from 0 to 100 psi at up to 99 psi per minute.

Detector Temperature: Each detector is equipped with a user-adjustable, thermostatically-controlled heating unit for maximum stability and optimal resolution (TCD and ECD are enclosed in detector ovens).

Detectors Available: PID, FID, TCD, ECD, FPD, NPD, and DELCD. Up to four detectors may be mounted on the same GC chassis. Dual-FPD, FID / FPD, FID / DELCD, FID/ NPD and other combination detectors also available.

GC Injector: Direct, on-column injector for both packed and capillary columns is provided as standard equipment.

Injector Options: Liquid autosampler carousel, adjustable volume, 42 vial tray (standard 2mL screw- or crimp-top vials). Manual or automated gas sampling valves for loop sampling (thermostatted valve oven also available). Automated purge-and-trap sampler for water, soil, and gas / air sampling and concentration. Dual, independently-heated adsorbent trap units provided. Purge-and-trap uses disposable 20 cc test tubes. On-line liquid purge sampler, thermal soil desorption unit also available.

Serial Data Interface: 4-channel data acquisition system built into GC. Connection to PC via RS232 port (DB-9), 6' serial cable.

Power Requirement: 110VAC, 60Hz (220VAC, 50Hz also available).

Custom Modifications: All SRI 8610C GCs may be custom-configured for your specific application at the factory.

Dimensions / Weight: 18.5"W x 14.5"D x 12.5H" (47.0 x 36.8 x 31.75 cm), 40 to 70 Lbs. (18 to 32 kilos). Shipping case provided.

Your analyses are extremely valuable. Your gas chromatograph system should be state-of-the-art. For your next GC system, ***choose SRI.***

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SRI Instruments

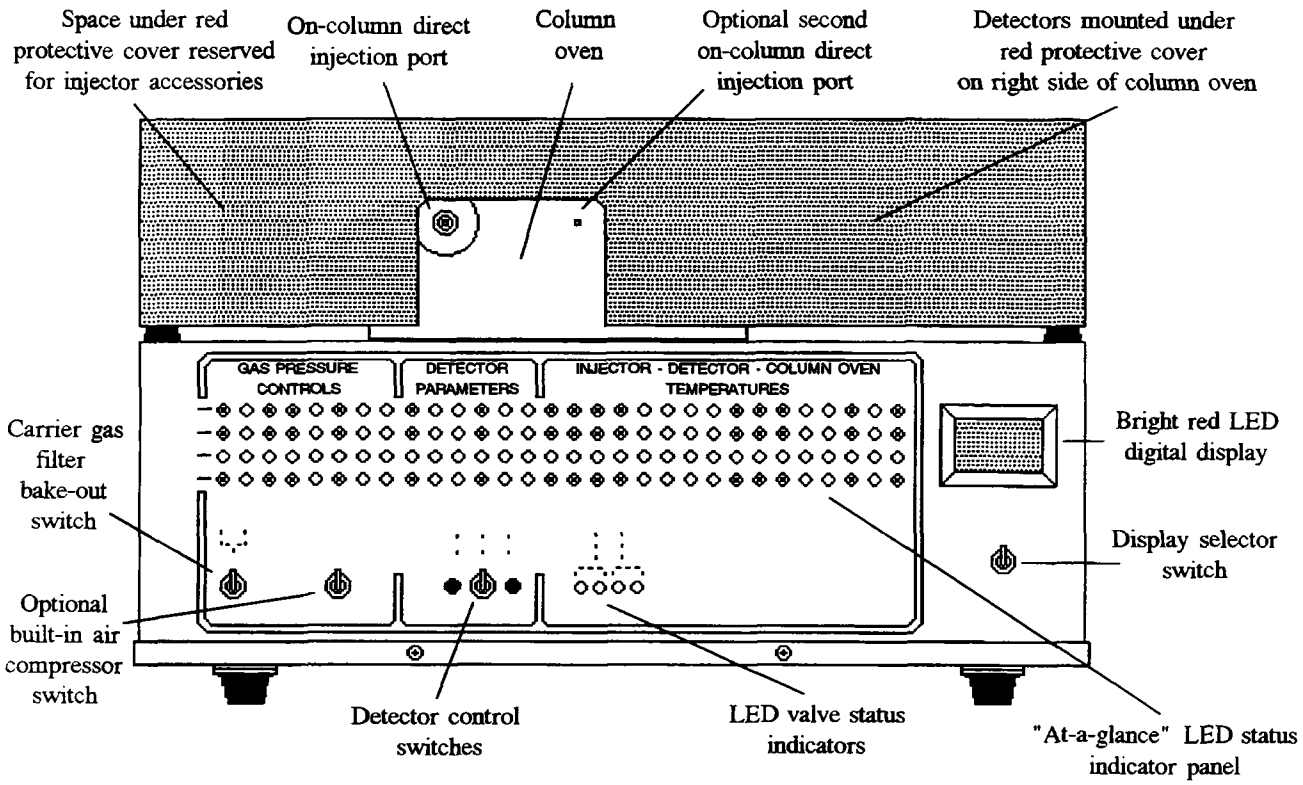
Corporate Headquarters:
20720 Earl Street
Torrance, California 90503 USA
Phone: (310) 214-5092 Fax: (310) 214-5097
Internet: http://www.srigc.com

International distributors available worldwide
Call or write us for your free VHS demonstration video tape, software disk, and product information
(Please specify your video broadcast format)
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Chapter: INSTALLATION

Topic: FRONT PANEL ORIENTATION - 8610C GC CHASSIS



"AT-A-GLANCE" STATUS INDICATOR PANEL - All controlled zones on the gas chromatograph are displayable on this panel. Multicolored light-emitting diodes (LEDs) indicated when zones are active (on), or are being thermostatically-controlled (heated zones - pulsing).

DISPLAY SELECTOR SWITCH - This switch toggles between constant display of the column oven temperature, and display of zone setpoints and actual valueswhen a specific button is pushed. Each "at-a-glance" status panel zone LED is accompanied by push-buttons that permit display of local and total setpoint values, and actual zone values on the digital LED panel meter.

DIGITAL PANEL METER - A high-visibility, bright red 3-digit panel meter displayed either the current column oven temperature, or the temperatures, voltages, and pressures of all controlled zones. Zone value display is momentary, and is shown as long as a button is depressed.

VALVE STATUS INDICATORS - On gas chromatographs equipped with optional sampling valves, an LED glows to indicate the valve's current position. Up to two valves may be displayed.

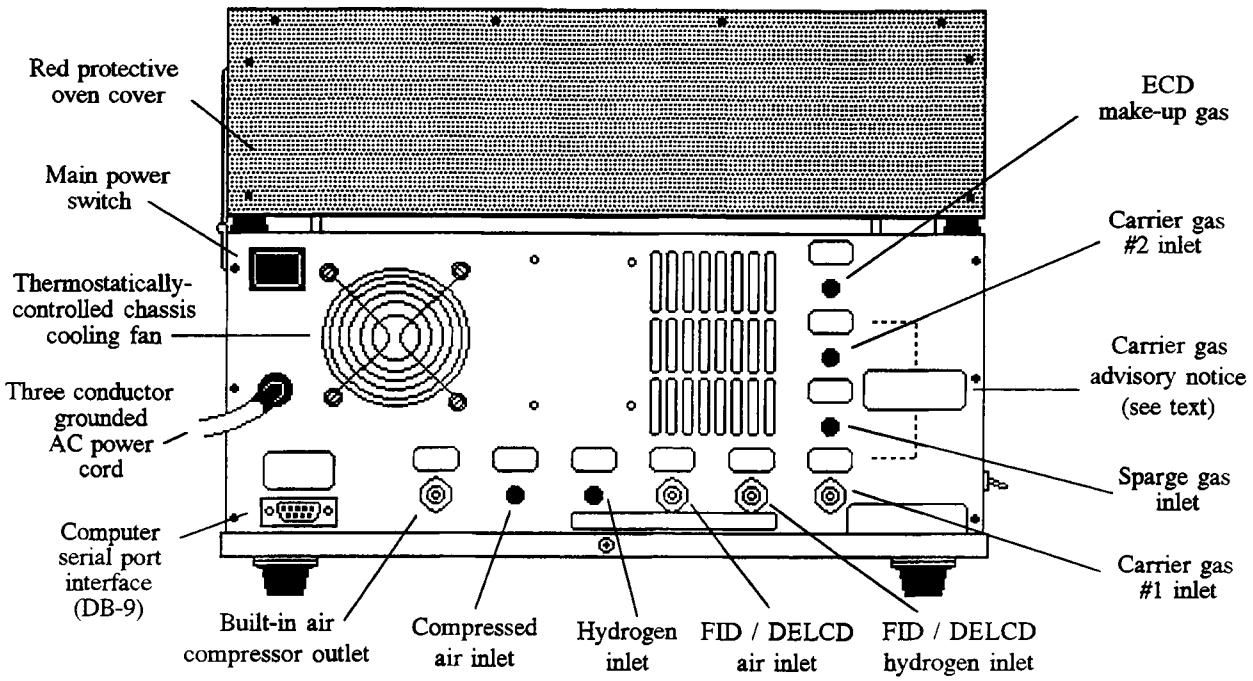
INJECTOR PORT - A direct on-column inject port is provided, and supports the use of both packed and capillary analytical columns. A capillary column adapter is provided for installation of wide-bore capillary columns. Optional heated injection ports and heated split-splitless injection ports are available. A second injection port may be installed on the same column oven.

DETECTOR CONTROL SWITCHES - All detector control switches are located on the front control panel, including FID ignitor and PID current, and FPD voltage.

ADDITIONAL SWITCHES - A carrier gas filter bake-out switch is provided to bake impurities from the gas polishing filter. If the GC is equipped with an optional built-in air compressor for FID or DELCD use, a switch is also provided on the lower left corner of the front control panel.

Chapter: INSTALLATION

Topic: LEFT SIDE PANEL ORIENTATION - 8610C GC CHASSIS



MAIN POWER SWITCH: A rocker switch provides control of the AC power for the entire gas chromatograph. When the GC power switch is turned off, the built-in serial data acquisition interface is also inactive, and communications with the computer cease.

COMPUTER SERIAL PORT INTERFACE: This port, a standard RS-232 serial interface, connects the gas chromatograph to any IBM PC-compatible desktop or notebook computer serial port. The computer collects the data and controls the gas chromatograph. No data storage occurs in the chromatograph. A six-foot DB-9 type serial cable is provided for connection to the PC.

CARRIER GAS INLETS (1 AND 2): The 8610C GC may be equipped with up to two independent carrier gas systems for independent injectors, columns, and detectors. An important advisory message, regarding the use of helium carrier gas only, is printed on the chassis and refers to all 8610C models. A dangerous condition could occur if hydrogen carrier gas were being used and a leak (such a break in the column) occured downstream of the pressure control circuitry. The leak would not be detected by the system, and gas would be continuously vented at the set pressure, permitting explosive gas to accumulate in the vecinity of the chromatograph.

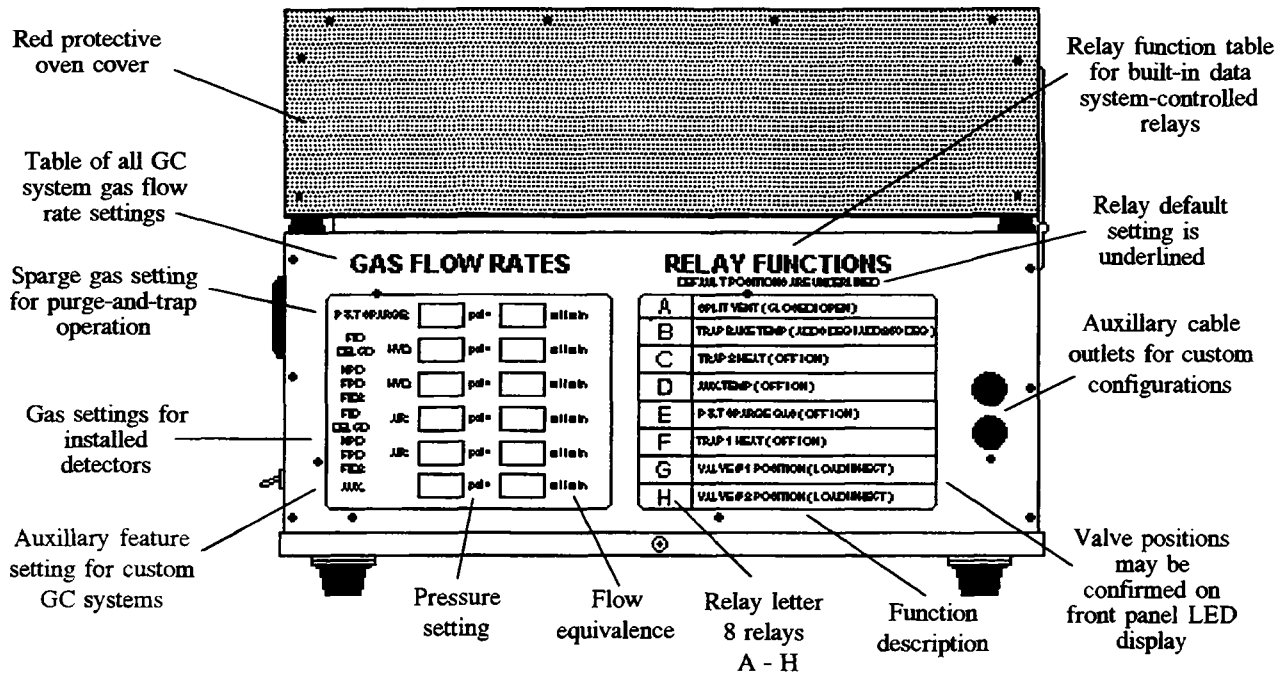
GAS INLETS: Stainless steel gas bulkhead fittings are provided for connection of all system gases. Separate inlets are provided for sparge, FID, DELCD, and ECD gases. If the GC is equipped with a built-in air compressor, a compressed air outlet is also provided.

CHASSIS COOLING FAN: This fan is thermostatically-controlled and draws ambient air into the chassis electronics compartment to maintain the internal electronic and pneumatic components at a stable, controlled temperature. The temperature setpoint is pre-set at the factory.

POWER CORD: A permanently-attached six foot, three-conductor cord is provided for connection to a grounded 110VAC power outlet. 220VAC models are supplied with the appropriate plug for standard grounded 220V outlets. Never defeat the safety feature inherent in the grounded cord by connecting it to a two-prong, ungrounded outlet.

Chapter: INSTALLATION

Topic: RIGHT SIDE PANEL ORIENTATION - 8610C GC CHASSIS



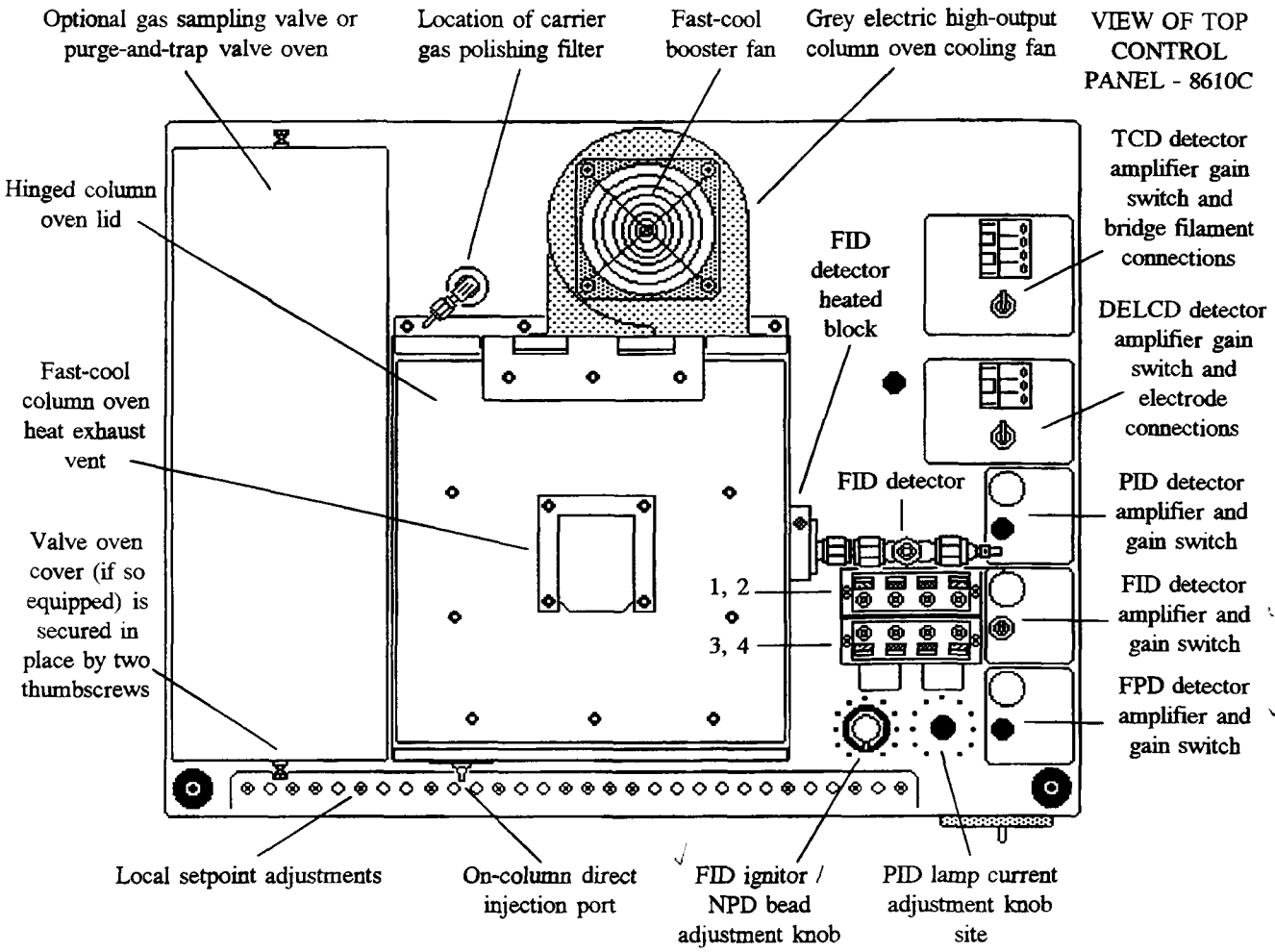
GAS FLOW RATES TABLE: A table of all of the 8610C gas chromatograph's detector and special feature gas flow rates is provided on the right chassis panel of the GC. This table bears the recommended gas flow rate settings for every feature that the particular gas chromatograph is equipped with. All detectors requiring supportive gases, such as hydrogen and compressed air (in addition to carrier gas) for FID, FPD, NPD, and DELCD operation will have their suggested flows printed here for easy reference. Any special purpose gases requiring specific flow settings, such as the ECD make-up gas flow, will be printed here also.

A pressure figure is given adjacent to each gas, and this value should be used when initially setting up the chromatograph for operation. These settings will ensure proper operation. Once the detectors and other accessories are operating normally, the gas flow rates may be adjusted for optimization. The values printed on this table have been tested with the particular chromatograph in the SRI quality control laboratory. Flow equivalences for each pressure setting are also provided for your convenience. The indicated pressure setting should provide you with the flow rate shown to its right on the table. For precise flow measurements, a bubble or digital flowmeter should be used.

RELAY FUNCTIONS TABLE: Adjacent to the gas flow rate table, you will find a relay functions table that lists each of the eight data system-controlled relays (labeled A through H) available within the gas chromatograph. These relays may be operated by means of either a timed event table within any of the PeakSimple software programs, or directly by keyboard control. When using event table control, each relay called in the event table will activate or deactivate at the exact same time during each run. This makes these event table-controlled relays perfect for operation of solenoids, autosampler injector control, and rotation of automated gas sampling and stream selection valves. A description of the function of each relay is printed on the table. The default setting for each relay is identified by underlining of the descriptive text. Special purpose relays, such as the trap temperature toggle implemented via relay B, permit you to increase your trap temperatures from their normal desorption temperature, to a bake-out temperature fifty degrees above the desorb setpoint, when performing purge-and-trap analyses.

Chapter: INSTALLATION

Topic: Top Control Panel Orientation - 8610C GC Chassis



Spring terminal block descriptions

1: DELCD heater voltage 2: NPD bead current 3: FID ignitor current 4: FPD ignitor current

The 8610C top control panel is divided into four main areas:

COLUMN OVEN - The insulated column oven and associated cooling hardware is mounted in the middle of the top control panel. A direct, on-column injection port is located on the front left face of the column oven. The oven cover is hinged at the rear, and is equipped with an exhaust vent to facilitate evacuation of heat during operation of the high-output, fast cooling fans.

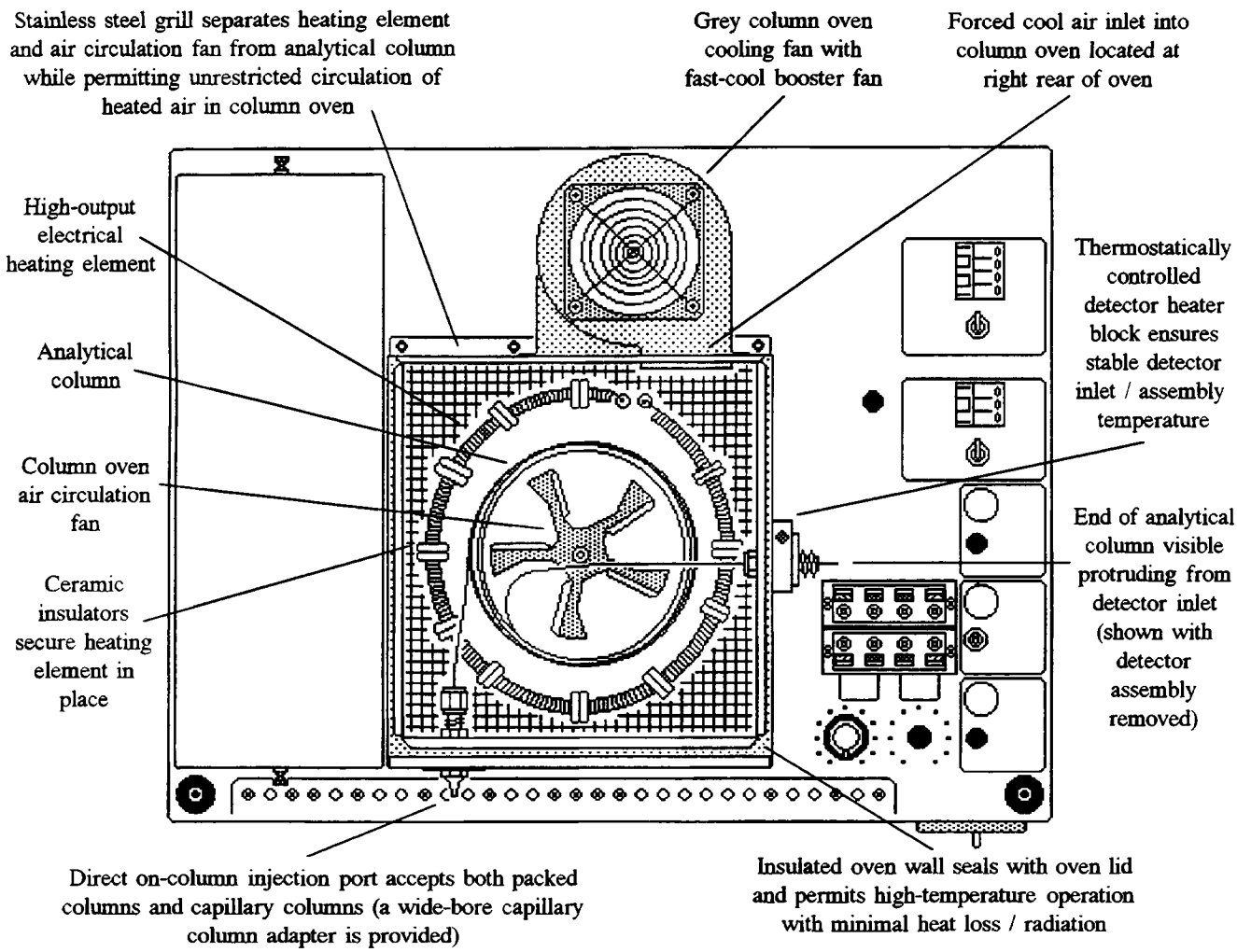
DETECTOR AMPLIFIER CONTROLS - All amplifier controls, including gain switches, current controls, and connectors, are located on the right side of the top control panel.

LOCAL SETPOINT ADJUSTMENTS - All user-selectable setpoint potentiometers are located on the front edge of the top control panel, immediately above the front panel "at-a-glance" display. A small blade screwdriver is needed to adjust these trimpots.

VALVE OVEN / PURGE-AND-TRAP ACCESSORY - Accessories, such as gas sampling valves, or the built-in purge-and-trap system, may be mounted to the left of the column oven, in a heated, insulated valve oven, which permits direct connection of enclosed hardware with the column oven.

Chapter: INSTALLATION

Topic: Column Oven Interior - 8610C GC Chassis



TOP VIEW OF 8610C COLUMN OVEN (WITH COLUMN OVEN LID REMOVED FOR CLARITY)

The product of ten years of gas chromatograph design and manufacturing, the 8610C column oven is an insulated design that permits operation from ambient temperature to 400°C, with rapid ramping to maximum temperature and rapid cooling to initial oven temperature when operating in temperature-programmed mode. The high-output heating element permits heating at up to 40°C per minute, and the assisted cooling fan configuration permits return to 50°C from 250°C in five minutes or less. The oven lid is equipped with an exhaust vent that speeds the evacuation of heat from the oven during cooling. The oven may also be operated isothermally with excellent stability.

The open air circulation design eliminates gradients throughout the oven which could affect performance. Prepunched openings in both the left and right oven walls permit easy future implementation of accessories and detector additions. Up to four detectors may be mounted on the right oven wall for maximum analytical versatility. The outlet from non-destructive detectors, such as the PID, are routed within the column oven for convenient series detector operation. The column oven may be equipped with an optional second direct on-column injection port for use with a second analytical column, and also may be equipped with a heated injection port, with or without split-splitless capability.

Chapter: INSTALLATION

Topic: Dual Oven 8610C Gas Chromatograph Chassis

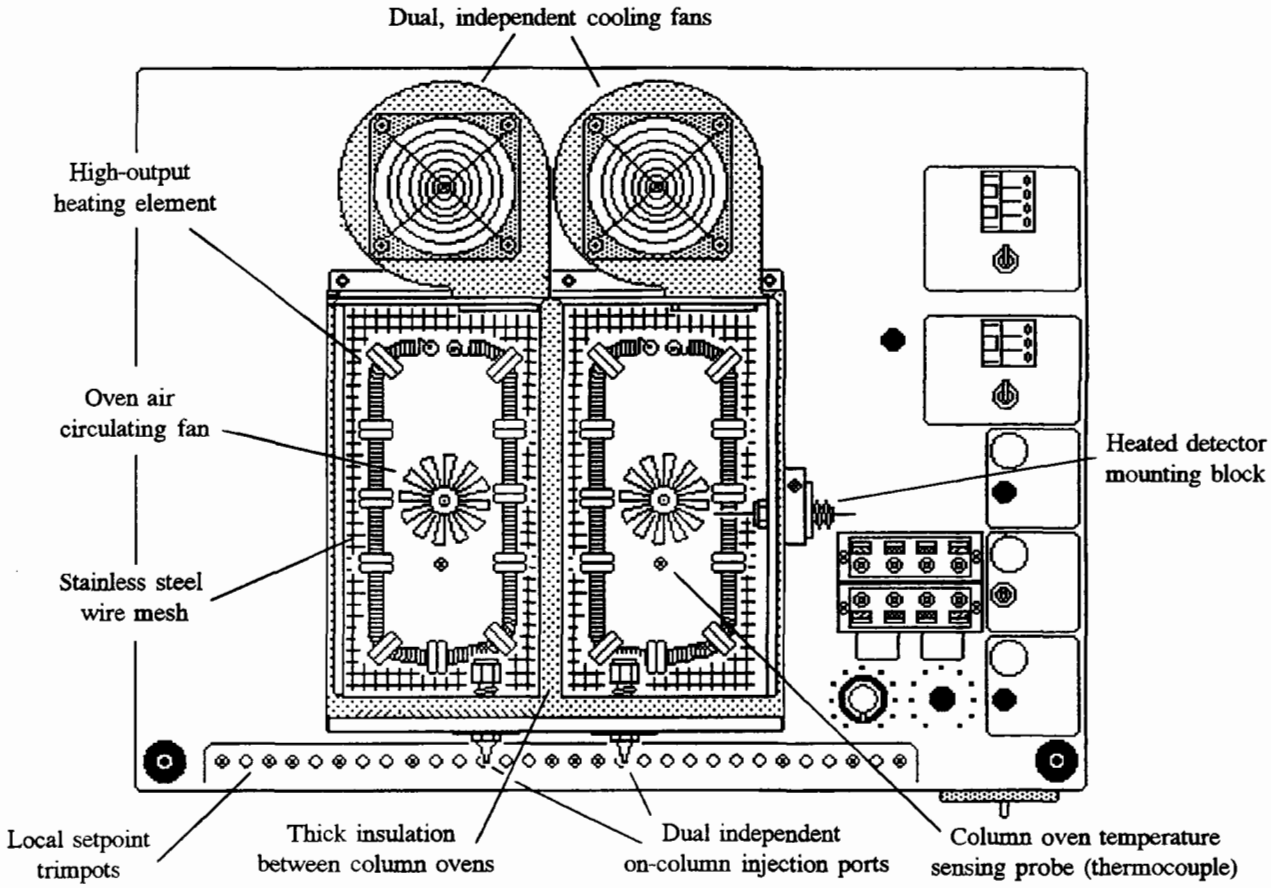


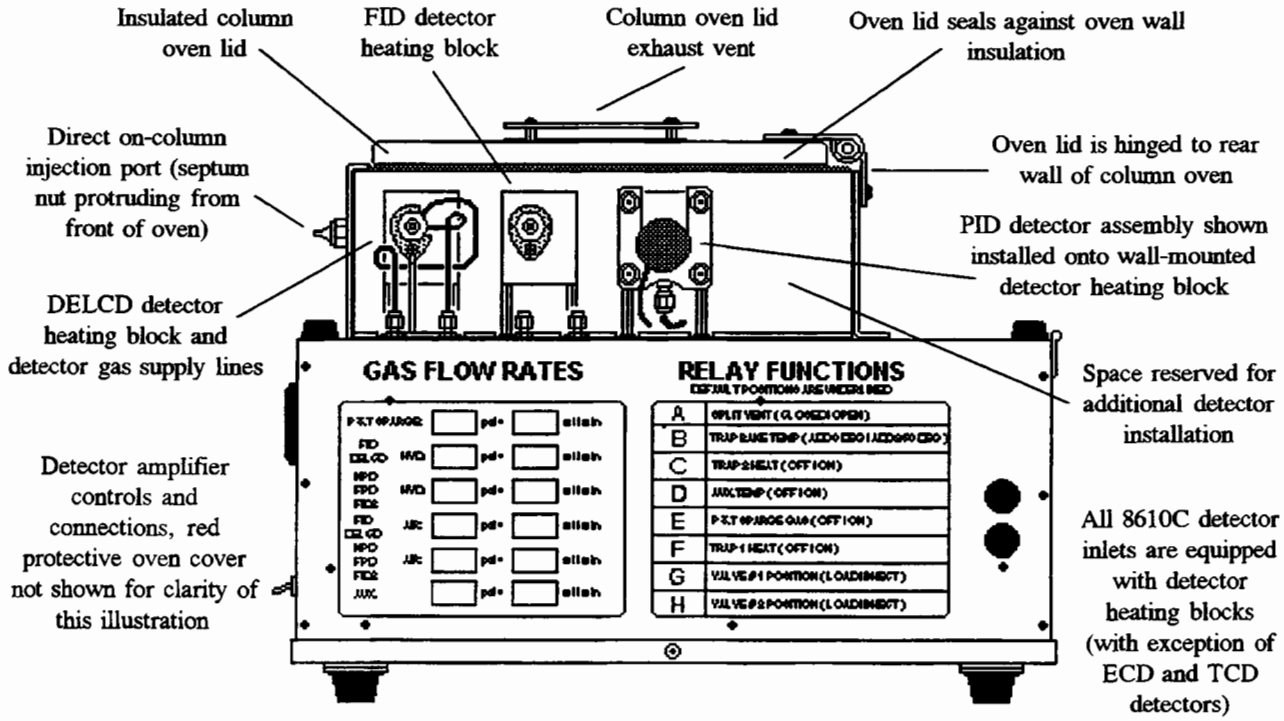
DIAGRAM OF DUAL COLUMN OVEN-EQUIPPED 8610C GC CHASSIS

For certain special applications, the SRI 8610C gas chromatograph chassis may be fitted with dual, independently-programmable column ovens. Dual column ovens permit a single 8610C gas chromatograph to perform two separate, unrelated analyses simultaneously with independent start times and temperature programs. The immediately apparent advantage to having a GC equipped with two column ovens is the ability, for instance, to perform a direct on-column injection of a BTEX sample onto a capillary column and flame ionization detector (FID) using a temperature program, such as 50°C to 200°C at a temperature ramp of 10°C per minute, while also performing a gas analysis by direct on-column injection at either an isothermal temperature or at a low-level temperature ramp, onto a packed column connected to a thermal conductivity detector (TCD) in one column oven. By placing one temperature program on channel 1 for the FID, and a different temperature program on channel 2 for the TCD, two separate column operating conditions may be simultaneously controlled.

A more sophisticated method to employ dual column ovens is multidimensional gas chromatography. Briefly, multidimensional GCs permit one sample to be analyzed normally on one column in a main column oven (connected to a dedicated detector), with the ability to "slice" a timed segment of the sample elution and place it onto the second column in the second column oven, to analyze it "under a magnifying glass", of sorts. The first column effluent is directed momentarily onto the second column and oven, where this "injection" is separated by a much longer, lower temperature column and second detector, providing a well-separated close-up of the time segment slice.

Chapter: INSTALLATION

Topic: Detector Mounting Platforms on Column Oven Wall



RIGHT SIDE VIEW OF COLUMN OVEN WITH DETECTOR MOUNTING HARDWARE VISIBLE (PID DETECTOR PRESENT)

All 8610C gas chromatographs are equipped with a thermostatically-controlled heating block mounted at the base (or inlet) of each detector. This new feature permits the user to preset the temperature of the detector inlet. This is convenient for methods prescribing a specific detector operating temperature, and ensures the temperature stability of each detector. Each detector heating block temperature may be accessed from the "at-a-glance" display panel on the front of the GC for viewing on the bright red, digital LED panel meter. The respective setpoint potentiometer, located on the top control panel immediately forward of the column oven, is easily adjusted using a small blade screwdriver. The TCD and ECD detectors, due to their enclosure in a temperature-controlled detector oven, do not require a heating block. These two detectors are mounted directly to the column oven wall, and the detector inlets and outlets are well-heated by the column oven.

The heated detector mounting blocks, or platforms, permit easy access to, and maintenance of the different detectors. The entire FID and DELCD detector assemblies may be removed for service in seconds. A new PID detector cell and platform design mount horizontally onto a heating block secured to the column oven, and the spring-loaded PID stage accepts compact O-I or Tracor-type PID lamps (a 10.2 eV lamp is standard equipment on SRI PID detectors).

A special electric heating cartridge is used in place of electrical heat ropes used on earlier models. The cartridges in use for detector heating blocks should provide years of service before requiring maintenance. The heating cartridge is installed in a well, drilled into the top of each cast aluminum heating block, and cartridge servicing and replacement is simple to perform, should it become necessary in the future.

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