

**8610C GC****Peak Simple Serial Port Data System****Stand-Alone Detectors**

SRI Gas Chromatographs

8610C

New Model 1997

At-a-Glance

LED Display

Electronic Flow Control

Oven : 400C Maximum

Dual Oven Model for

Multi-Dimensional GC



Huge Range of Options

Multi - Injectors

Cold On-column
Heated
Split/Splitless
Packed Column

Multi - Detectors

FID, TCD,
ECD, DELCD
PID
NPD, FPD

**Sampling
Systems**

Gas Sample Valves
EPA Purge & Trap
Thermal Desorption
Liquid Autosampler
In-line Liquid Sampler

Laboratory & Customised Models

World's Lowest Cost High Performance GC

Distributed in Australia by **Chromalytic Technology**

Fax : +61 3 9761 1169 Phone : +61 3 9762 2034

E-mail : jimjeffs@chromtech.net.au

Internet Connected
<http://www.chromtech.net.au>

| INDEX | Page |
|---|------|
| SRI GC Intro | 1 |
| Index | 2 |
| Peak Simple Data System | 3 |
| 8610C General Specs / Features | 4 |
| Injectors / Valves / Dual Oven Option | 5 |
| Customised GC Models | 6 |
| - Environmental | 6 |
| - TPH -Thermal Desorption | 6 |
| - CFC - Refrigerants | 6 |
| - BTEX - Purgeable Aromatics & TPH | 6 |
| - MTBE - Oxygenates in Gasoline | 6 |
| - EPA 601/602 | 7 |
| - Method 25 - Total HC CO/CO2 Content | 7 |
| - Multiple Gas Analyser - Fixed Gases / C1-C6 | 7 |
| - Educational GC | 7 |
| Stand-alone GC Detectors | 8 |
| 8610C Options & Accessories | 9 |
| Parts Descriptions & Cat Nos | 10 |
| Parts Descriptions & Cat Nos cont | 11 |
| Dual Oven 8610C GC | 12 |
| SRI 8610 GC Overview / Summary | 13 |
| Specifications | 14 |
| Australian Price List | 15 |

Low Cost Basic Laboratory SRI 8610C GC

includes . . .

8610C Chassis -220 volt

Cold on-column injector

“At-a-glance LED temp/pressure display

Electronic Pressure control on all system gases

FID + PeakSimple Data System A/D Serial Port/ Windows 95 S'ware

- 400C multi-ramp temperature programmable (from Data System)

- large oven 198 x 190 x 76mm

2 - years Warranty

IBM/PC NOT Included *

\$9980*

* Ex-Tax

Freight (at cost) and an IBM/PC
is NOT included

Installation/Training available
(if necessary) at extra cost

* IBM/PC required - Will run on any PC - 386/8meg for Win3.11 or 486/33 minimum for Win95

Chromalytic Can Supply PC at Extra Cost competitive prices. Warranty includes PC if purchased with the GC

Distributed in Australia by **Chromalytic Technology**

Fax : +61 3 9761 1169 Phone : +61 3 9762 2034

E-mail : jimjeffs@chromtech.net.au

Internet Connected
<http://www.chromtech.net.au>

PEAK SIMPLE DATA SYSTEM.

Control Two SRI GC's - 8610, 9300 or 8610C

- Data System Acquires and Displays Up to Four Detector Signals from Any Model GC or HPLC
- Runs on Any IBM-Compatible PC from XT to AT, 386 or 486 including Lap-top computers.
- Serial port Interface Now built-in to 8610C
- External Serial Port Interface Available for Notebook Computers and previous 8610 and 9300 GC.
- Optional Electronic Pressure Control for Carrier Gases

PeakSimple software - is simple, fast and powerful. The software is a chromatographer's dream, and the hardware (one half-size A/D card per channel) runs on every type of IBM PC compatible from XT to AT, 386 or 486. There is also a serial port data system for laptop computers - all you need is a serial printer port. Best of all, PeakSimple is so affordable. In fact less than the cost of standard integrators or in fact many chart recorders.

Three software versions are available: **PeakSimple II**, **PeakSimple for Windows 3.1** (16-bit version), and **PeakSimple for Windows 95** (32-bit version). PeakSimple II and PeakSimple for Windows 3.1 are supplied with every SRI GC (except the student model) and provides all the features that the most demanding chromatographer requires. PeakSimple for Windows 95 takes advantage of the speed in a 32-bit operating environment.

PeakSimple 11 Serial Data System for GC and HPLC

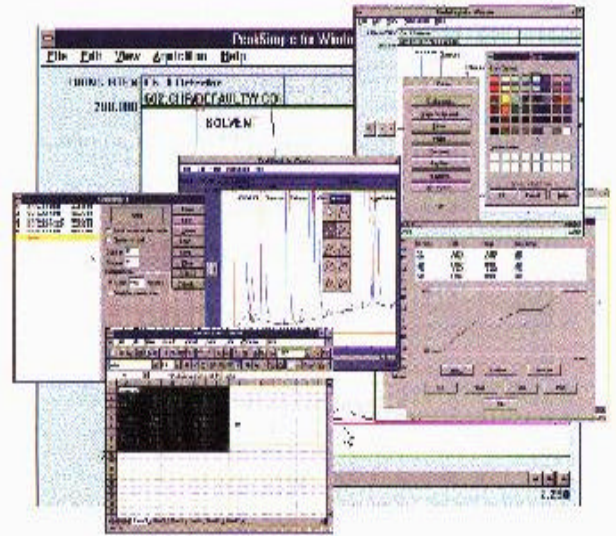
The PeakSimple II Serial Data System is the data acquisition package for any lab or field chromatography application requiring the convenience of serial communications and/or a compact PC.

Combined with the compact 8610C GC an ideal problem solver for the mobile laboratory. The computer only needs an open serial port to communicate with the data system which eliminates the need for expansion slots.

This permits use of IBM-compatible desktop, notebook, and palmtop computers. Minimum requirements are a DB-9 serial port adaptor, 640K RAM, and 1.2MB of storage space for the PeakSimple II or PeakSimple for Windows chromatography software.

Serial Port Hardware Features Include:

- 4 Channel Inputs built into Serial Port Data Acquisition Board (No A/D Boards to buy)
- Serial A/D Offers 23-bit Resolution at 2Hz (1, 5 and 10-Hz rate also supported)
- Signal Input Range -5000 to +5000mV to accommodate Bipolar Signals from HPLC or GC



PeakSimple Hardware and Software

| | | | |
|---|---|--|---|
| Peak Simple 11 Data System Kit Includes Software, Interface Board and Model 110 A/D Board for 1-Data Channel A/D Board for Additional Data Channel (4-max) Interface Board. Required for Channels 3/4 Each interface board supports two Model 110 A/D boards and provides 8 relay contacts. PeakSimple Serial Data System - PeakSimple for Windows 4-Ch Serial Data System for GC and HPLC, 220V - PeakSimple for Windows 4-Ch. Serial Data System for GC and HPLC, 110V | 8600-1055 8600-2010 8600-2020 8600-4255 8600-4055 | - Electronic Pressure Control Option PeakSimple II Serial Data System (Retro-fit Existing 8600 or 9300 GC) - Serial Port External Event Relay (Adds 8 Additional SPOT Relays) Software and Updates - PeakSimple II Software Only (3 1/2" 1.44MB Disk) - PeakSimple for Windows 3.1 (16-bit) - PeakSimple for Windows 95 (32-bit) | 8600-2056 8600-2053 8600-2065 8600-2030 8600-400 8600-4032 |
|---|---|--|---|

Distributed in Australia by **Chromalytic Technology**

Fax : +61 3 9761 1169 Phone : +61 3 9762 2034

E-mail : jimjeffs@chromtech.net.au

Internet Connected
<http://www.chromtech.net.au>

SRI 8610C Gas Chromatographs

- One Half The Price of Comparable Instruments
- Much Smaller Than Other GC's
- Temperature Programmable Oven
(to 400C - subambient and Turbo-cool as an option).
- Dual oven option - 2 GCs for the price of one !
- Can Accommodate Multiple Detectors (up to 5 out of 7)
- FREE PC-Compatible PeakSimple Software
- Two Year Warranty



The SRI GC's offer performance comparable to full size gas chromatography but cost less than half to buy and much less to maintain. The Model 8610 fits easily on crowded lab benchtops, in mobile laboratories. Because of their light weight, they ship easily via UPS or FedEx. The column oven is multi-ramp programmable from ambient to 400°C for fast analysis times and optimum resolution. Fans force room air into and around the oven for fast cooldown.

Unlike most GC's which can only mount two or three detectors, the SRI 8610 can mount up to five detectors (TCD, FID, NPD, ECD, PID, DELCD or FPD). Combinations of detectors can also be plumbed in series/parallel for any EPA or ASTM method. Every SRI GC purchased with a detector (except the educational model) comes with a data system and PeakSimple for Windows software to turn any IBMcompatible PC into a powerful multichannel data acquisition system.

Every SRI GC Comes Complete with . . .

- Single On-Column Injector for 0.53mm ID Capillary or 1/8" Packed Columns
- Electronic Pressure Control for All Gases
- Temperature Programmable Oven (except educational model)
- Digital Pressure and Temperature Readout
- PeakSimple for Windows Software (except educational model)
- Operator's Manual
- 10uL Syringe and Spare Septa
- Heavy Duty Re-usable Shipping Container

Add up to 5 detectors (from a choice of 7) and options to satisfy your needs!

Customising SRI GCs to Your Specifications

By popular demand SRI has incorporated a number of popular accessories into application specific models optimised for a number of EPA and/ or ASTM methods

1. Before ordering check out these pre-configured versions to see if they are suitable for your specific needs. 2. If you need to customise your GC prior to ordering
2. After choosing the basic model that fits your need, the next step is to determine which detector(s) may be necessary for your work.
3. SRI GC's are supplied with a standard on-column injector
- 4 For most applications, this injector will be appropriate.

Alternative choices include Split/splitless, Heated flash vaporisation, Packed column.

5. Optional accessories, if necessary will be help you automate your particular application.

SRI Factory Installed Detectors

The following list includes all of the GC detectors available to be factory installed on an SRI gas chromatograph. The specifications for these detectors are listed in the chart on the page describing the stand-alone SRI detectors.

Factory Installed SRI GC Detectors TCD (Thermal Conductivity) 8690-107

• Features of 8610C

- **High Performance - Comparable to Full Size Instruments at Half the Cost**
- **Lightweight, Compact Size is Ideal for Benchtops, and Mobile Use**
- **State of the Art Electronic Pressure Control**

Injectors, Valves, and Dual Oven Options

The SRI 8610C GO is supplied with one 1/8" cold on-column injection port which is ideal for packed and wide-bore (0.53mm) capillary columns. A heated injector (SRI split/splitless) is required when narrow bore capillary columns are used.

Additional oncolumn injectors, along with heated split/splitless injectors and heated on-column injectors can be added to the SRI 8610C GC.

Sampling valves for sample introduction may also be added - both 10-port and 22-port valves with either manually or electrically actuation are available.

The SRI 8610C also supports the option of dual ovens (oven dimension: 7 1/2" x 4 1/2" which requires custom coiled metal capillary columns). Both ovens are multi-ramp programmable up to 400°C.

This option with appropriate options and accessories allows the chromatographer to perform multidimensional chromatography.

Additional hardware : includes

Oven : Ambient to 400°C, Multi-ramp programmable

Oven Dimensions : 7 1/2" W x 7 1/2"D :x 3" H (19.1cm x 19.1cm x 7 cm)

Column : Accommodates all standard capillary columns (7" cages) or 1/8" packed columns; Oven is large enough to accommodate multiple columns

Detectors : : Can Permanently Mount up to 5 Detectors simultaneously

Injectors : Single on-column for 0.53mm ID capillaries or 1/8" packed columns is supplied.

GC can accommodate 2 injectors

Software : PeakSimple 11 and PeakSimple for Windows is included (4 channel serial port data system)

Power : 220V (or 110V)

Dimensions : 18 1/2" W x 14 1/2" D x 13" H (47cm X 36.8cm x 33cm)

Weight : 45-80lbs (20-36kg) Depending on Installed Options - **Very Compact !** and can be shipped Fed-Ex or UPS

Warranty : Two years parts and labor.

| | | |
|---|---|------------------|
| SRI GAS CHROMATOGRAPHS | Model 8610C Gas Chromatograph 220V | 8610-2203 |
| Supplied with one on-column injector. Detectors are extra - Please specify on ordering | Model 8610C Gas Chromatograph 110V | 8610-0003 |

| | | |
|------------------|---|------------------|
| INJECTORS | Heated Split/Splitless Injector, Electric Vent | 8690-0034 |
| | Heated On-Column Injector (1/4") | 8690-0025 |
| VALVES | 10-Port Valve, manual | 8690-0063 |
| | 10-Port Valve, electric | 8690-0065 |
| | 22-Port Valve, electric | 8690-066 |
| DUAL OVEN | Dual Oven | 8610-104 |

Distributed in Australia by **Chromalytic Technology**

Fax : +61 3 9761 1169 Phone : +61 3 9762 2034

E-mail : jimjeffs@chromtech.net.au

Internet Connected
<http://www.chromtech.net.au>

SRI Environmental GC

- **Model 8610C**
- **FID, PID, and DELCD**
- **EPA-Style Purge and Trap**
- **Built-in Air Compressor**
- **15m Capillary Column**
- **PeakSimple II/PeakSimple for Windows Software**

The SRI Environmental GC has all of the hardware to cover almost any possible environmental analytical situation. It features:

1) the FID for TPH, PAH, gasoline and diesel, phenols, alcohols and all hydrocarbons, 2) the PID required for EPA analysis of aromatics, benzene, toluene and xylenes, 3) the DELCD required for the EPA analysis of chlorinated solvents, methylene chloride, chloroform, TOE, perchloroethylene, and 4) the EPA-Style Purge and Trap with dual traps for soil, water or air concentration.

*Environmental
Analysis
- inc Aromatics/Chlorinated*

SRI TPH GC

- **Model 8610C**
- **FID**
- **Thermal Soil Desorber**
- **15m Capillary Column**
- **PeakSimple II/PeakSimple for Windows Software**

The SRI TPH GC equipped with the thermal soil desorber can analyze unprepared soil samples for volatiles such as BTEX components and semi-volatiles such as diesel in the same chromatogram. Since the sample requires no handling other than loading into and weighing of the desorption tube, analytical and human error is virtually eliminated. More TPH analyses can be performed in less time because time-consuming extraction and concentration procedures are not used. Routine total petroleum hydrocarbon soil analyses may be performed using only a one gram sample.

*Thermal
Desorption
TPH's*

SRI CFC GC

- **Model 861 0C**
- **TCD**
- **Packed GC Column**
- **PeakSimple II/PeakSimple for Windows Software**

In addition to other ARI methods, the SRI CFC GC permits screening of incoming refrigerants (such as R-11, R-12 and R22) at CFC reclamation sites. An ATM-1 OOO-type packed column performs the identification and can also provide clean separation of high-purity CFC peaks from contaminants for purity determinations. An optional automated gas sampling valve and externally-attached thermostated valve oven may be added that will allow automatic control by the PeakSimple data system.

Refrigerants

SRI BTEX GC

- **Model 8610C**
- **FID and PID**
- **EPA-Style Purge and Trap**
- **Built-in Air Compressor**
- **15m Capillary Column**
- **PeakSimple II/PeakSimple for Windows Software**

The BTEX GC is a certification quality GC for EPA 8015/8020 analysis of purgeable aromatics and total petroleum hydrocarbons featuring a purge and trap sequence and analysis in 30 minutes or less. It meets or exceeds all current U.S. detection limit requirements. Analyte concentrations can be detected aVbelow the 0.5ppb level.

*Purgeable
Aromatics
& TPH's*

SRI MTBE GC

- **Model 8610C**
- **FID**
- **10-port Gas Sampling Valve (Electric)**
- **Valve Oven**
- **Heated Split/Splitless Injector**
- **Pressure Regulator**
- **Two Columns**
- **PeakSimple II/PeakSimple for Windows Software**

The SRI MTBE GC is specifically designed for ASTM Method D 4815-88 which tests for oxygenates in gasoline. The valve and columns are pre-plumbed and pretested at the factory to separate oxygenates such as methanol, ethanol, and MTBE from other low boiling hydrocarbons so that the oxygenates appear on the baseline without interference from other peaks. This makes identification more certain and quantitation more precise.

*Oxygenates
in
Gasoline*

SRI EPA 601/602 GC

- **Model 8610C**
- **PID and DELCD**
- **EPA-Style Purge and Trap**
- **60m Capillary Column**
- **PeakSimple II/PeakSimple for Windows Software**

EPA Methods 601 and 602 (and their near identical counterparts, Methods 8010, 8020 and 502.2) are commonly specified at testing sites across the United States. Method 602 requires a purge and trap and PID to measure aromatics such as benzene and toluene, while Method 601 requires the same purge and trap combined with DELCD to measure chlorinated solvents such as TCE, carbon tetrachloride and methylene chloride. The methods are typically run simultaneously by operating the DELCD in series with the PID in order to obtain two chromatograms from the same purge and trap injection. Method 601 requires the detection of molecules that are gases at ambient temperatures. The double trap system used by SRI is ideal for this application, as its potential combination of absorbents can produce sharp peaks for chloromethane and vinyl chloride without the need for subambient cooling.

*Environmental
Analysis*

EPA 601/602 Dual PID/DELCD

SRI Method 25 GC

- **Model 8610C,**
- **FID**
- **Gas Sampling Valve**
- **Oxidizer**
- **Methanizer**
- **Packed GC Column**
- **PeakSimple II/PeakSimple for Windows Software**

The SRI Method 25 GC is designed to evaluate total hydrocarbon content in air.

Method 25 specifies the analysis of air for methane, ethane, carbon monoxide, carbon dioxide, and all non-methane organic (NMO) hydrocarbons.

The analysis is unusual because the hydrocarbons are first oxidized into CO₂, then reduced to CH₄ by reactors in series between the column outlet and the FID. The reaction ensures that the FID accurately measures the total carbon present in the sample. In addition, the Method 25 GC measures CH₄, C₂H₆, CO and CO₂ separately from the NMO by means of an automatic gas sampling valve and sampling loop, which perform repeatable, unattended backflushes of every sample under software control by the PeakSimple DS.

*Total HC Content
in Air - CO/CO₂
plus NMO*

SRI Multiple Gas Analyzer

- **Model 8610C**
- **TCD**
- **Heated 10-port Gas Sampling Valve (Electric)**
- **Two Packed GC Columns**
- **PeakSimple II / PeakSimple for Windows Software**

The SRI Multiple Gas Analyser GC is pre-plumbed and tested to resolve the fixed gases O₂, N₂, CO₂ plus hydrocarbons through C₆. SRI has developed a simplified system of 2 independent analytical columns, and one gas sampling valve for almost "bulletproof" operation. A second analyzer is available that includes an FID hydrocarbon detection to 1 ppm and a methanizer to convert and CO₂ to methane for measurement by the FID.

*Fixed Gases Plus
C1-C6 Hydrocarbons
Dual Packed Cols*

SRI Educational (Student Model) GC

- **Model 8610C**
- **TCD**
- **Packed GC Column**

The SRI Educational GC is designed to provide performance quality and value while remaining affordable enough to enable students to purchase a unit of their own. The GC can be upgraded in the future with additional detectors and/or a temperature programmable column oven. Simply provide the unit with carrier gas and a recorder or integrator.

This model also makes a great second or backup unit for commercial or institutional labs.

*Simple TCD/Packed
- Isothermsal / No PS*

SRI Stand-Alone Detectors

- Add to Any Existing GC -Not Just SRI!
- Substantially Lower Prices than Other Manufacturers
- Easily Moved from One Instrument or Lab to Another
- Heated Fused Silica-Lined Transfer to Column
- All Parts for Installation Included

Add SRI's free standing detectors to your existing GC.

The easy to install kit requires only one hole in the oven of your Hewlett-Packard, Varian, Perkin-Elmer, Shimadzu or any other gas chromatograph, and can be moved from GC to GC in minutes.

The compact and lightweight model 8680 stand-alone detector unit only occupies 12 inches of lab counter top yet packs a powerful punch when it comes to chromatography performance.

By connecting this unit, up to three additional detectors may be added to your existing gas chromatograph.

It can also be shared between units or sites for added analytical versatility in the lab or field.

A heated 18 inch transfer line connects the column in the host chromatograph (or the outlet of any non-destructive detector).

The detector electronics output a 0-1volt analog signal for full compatibility with all brands of integrators and chromatography data systems.

All stand-alone detector units include a fused silica-lined metal transfer line for connection to the host column, a stainless steel bulkhead fitting (minimum dead space) for installation in the host oven, the detector hardware, electronics, signal cable and operator's manual.

The user must provide an integrator or data acquisition hardware, such as the PeakSimple™ system.

Noite : Stand-Alone Detecors may be connected to only one chromatograph at a time.



SRI Detector Specifications

| | | |
|-------|---------------------|---|
| TCD | 100ppm | Designed with user-replaceable filaments. Universal response. |
| PID | 100ppb | Supplied with 10.2eV lamp, 40uL Cell, 0-2ma adjustable-lamp current with LCD readout. |
| ECD | 1ppb | Nickel-63 source with constant current pulsed-mode amplifier. Upper limit 400°C. Operates on either nitrogen or argon/methane carrier gas. |
| FID | 1 ppm | Provides universal: response to most organics. Ceramic bead igniter prevents extinguishing of flame. |
| NPD | 1 ppm | Sensitive and selective to nitrogen and phosphorus compounds |
| FPD | 50ppb P 500ppb S | Selective to sulfur or phosphorus compounds Two photomultiplier tubes and filters of different wavelengths. |
| DFPD | 50ppb P 500ppb S | High specificity for sulfur and phosphorus compounds in a single injection. |
| DELCD | 1ppm | Selective to Halogen Compounds |

Distributed in Australia by **Chromalytic Technology**

Fax : +61 3 9761 1169 Phone : +61 3 9762 2034

E-mail : jimjeffs@chromtech.net.au

Internet Connected
<http://www.chromtech.net.au>

SRI 8610C GC Options and Accessories

EPA -Style Purge and Trap

- Use to Concentrate Water, Soil, or Air Samples
- Two Separately Packed Traps Allow Greater Flexibility than One Multi-bed Trap
- Mounting on GC Eliminates Need of a Transfer Line

The SRI EPA -Style Purge and Trap is an improved version of the EPA design specified in many methods such as 601,602, 501, 502, etc.

The design is compact and allows the unit to be mounted directly on the GC. Mounting the purge and trap unit on the GC eliminates the need for a heated transfer line and permits the capillary column to be connected directly to the 10-port valve, minimizing dead volume and active surfaces.

The SRI uses two traps on its EPA-Style Purge and Trap. Rather than pack one trap with two different materials, two entirely separate traps plus a 10-port gas sampling valve are used.

Each trap can be heated to its optimum temperature maximizing desorption efficiency.

This provides flexibility to the operator when performing purge and trap analysis.

10-Position Purge and Trap Autosampler

If you have many water or soil samples, the 10-Position Autosampler for EPA-Style Purge and Trap can run unattended controlled by the PeakSimple data system. All lines in the autosampler are heat treated stainless steel for ruggedness and minimal carryover. The long lived 22-port valve which sequentially selects one of the 10 sparger is electrically operated so compressed air is not required.

Liquid Autosampler

The Model 311H Liquid Autosampler is manufactured for SRI by Dynatech Precision Sampling Corp.

It has a capacity of 42 1.5mL vials.

The autosampler can be controlled by PeakSimple software.

The sample tray and syringe require air or nitrogen at 60psig to actuate the mechanisms and pressurize the vials during sampling. The Autosampler is supplied with 100 screw top vials and liners.

SRI Methanizer

The Methanizer Accessory catalytically reduces CO and CO₂ to methane using a special nickel powdercatalyst. Since methane is detectable by FID down to 1 ppm, it is possible to obtain lower detection limits for CO and CO₂ via methanization instead of using a TCD.

Built-in Turbo-Cool Option

Heavy duty solenoid valve for liquid CO₂ or N₂ and computer interface to enable PeakSimple to quickly cool the GC oven from 250°C to 0°C in 30 seconds at the end of a temperature program.

Built-in Air Compressor for FID Air

The Built-in Air Compressor consists of a miniature air compressor mounted inside the GC chassis.

The ultra-quiet compressor delivers 1000cc/min at 10psig. The air compressor is handy for supplying FID or DELCD combustion air.

GC Maintenance Kit

This kit is designed especially for export customers who may have difficulty returning the GC to the factory for service. It includes; 1) replacement chips and devices for most electronic circuits, 2) oven heater, 3) thermocouple, 4) Swagelok® fittings and ferrules, 5) graphite ferrules, 6) wide bore injector adaptor, and 7) digital voltmeter for electronic troubleshooting.

Videotape Demo Kit

The two-hour video includes hardware, software, installation' operation and GC theory sections.

It is updated continuously as new footage and products become available.

SRI 8610C - Part Description & Catalog Numbers

| Model 8610C GC | | Injector, Valves, Dual Ovens | |
|--|---|---|--|
| 8610C : 110V 8610C : 220V Supplied with one -on-column injector. Detectors are extra | 8610-0003 8610-2203 | Additional On-column Injector Heated Split/Splitless Injector - Electric Vent Heated On-column Injector (1/4") 10-Port Valve, manual 10-Port Valve, electric 22-Port Valve, electric Dual Oven | 8690-023 8690-0034 8690-0025 8690-0063 8690-0065 8690-0066 8610-104 |
| SRI Customised GCs | | Detectors | |
| 8610C 220V Environmental TPH CFC BTEX MTBE EPA 601/602 Method 25 Multiple Gas Analyzer (TCD) Multiple Gas Analyzer (TCD, FID) | 8610-0058 8610-0062 8610-200 8610-0050 8612-215 8612-212 8612-205 8612-232 8612-233 | Factory Installed Detectors TCD (Thermal Conductivity) FID (Flame ionization) NPD (Nitrogen-Phosphorus) ECD (Electron Capture) PID (Photo-ionization) FPD (Flame Photometric) FPD/FI D Simultaneous DFPD (Dual Flame Photometric) DELCD (Dry Electrolytic Conductivity) Upgrade Kits for Previously Installed Detectors NPD (from FID), includes one NPD beads | 8690-0007 8690-0010 8690-0015 8690-0020 8690-0040 8690-0080 8691-1080 8690-0085 8690-1026 8690-1015 |
| SRI GC Accessories | | SRI Stand-Alone Detectors, 110V | |
| Liquid Autosampler Methanizer Accessory Built-in Turbo Cool Option Built-in Air Compressor GC Maintenance Kit Videotape Demo Kit (VHS NTSC) | 8690-0068 8690-0081 8690-160 8690-0070 8670-9002 8600-DEM | FID, 110V PID, 110V DELCD, 110V PID-FID, 110V PID-DELCD, 110V FID-DELCD, 110V | 8680-0010 8680-0040 8680-1026 8680-4010 8680-4026 8680-4120 |
| SRI Purge and Trap | | SRI Stand-Alone Detectors, 220V | |
| EPA-Style Purge and Trap 10-Position Purge and Trap Autosampler, 110V 10-Position Purge and Trap Autosampler, 220V Stand Alone Purge and Trap, 110V Stand Alone Purge and Trap, 220V Purge and Trap Accessories Trap Packed with Tenax Trap Packed with Carbosieve Trap Packed with Carbograph B Sparge Vessel (16 x 125mm), 250/pkg | 8690-0051 8690-0053 8690-2253 8680-051 8682-051 8670-1305 8670-1315 8670-1320 8670-1335 | FID, 220V PID, 220V DELCD, 220V PID-FID, 220V PID-DELCD, 220V FID-DELCD, 220V | |

See Parts List for current/new products

See Separate Price List - Note International Prices May Vary - Please Check with your Local Distributor

Distributed in Australia by **Chromalytic Technology**

Fax : +61 3 9761 1169 Phone : +61 3 9762 2034

E-mail : jimjeffs@chromtech.net.au

Internet Connected
<http://www.chromtech.net.au>

SRI 8610C - Part Description & Catalog Numbers - page 2

Peak Simple Hardware and Software

PeakSimple 11 Data System Kit

| | | |
|---|-----------|--|
| Includes Software, Interface Board and Model 110 A/D Board for 1 Data Channel | 8600-2000 | Can be used to update ANY GC with an analogue 0 to 1(10)mv output. With some ingenuity the control function allows you to ramp a 0 to 5mv control signal for example some GC temperature programmers or HPLC pump control - Enquire ! up to 4 may be installed in 1 PC - 2 per interface board. |
| A/D Board for Additional Data Chanel | 8610-2010 | |
| Interface board required for 3rd and 4th Data Channel | 8612-2020 | |

Electronic Pressure Control System

| | | |
|--|-----------|---|
| - Optional - 8610C has electronic pressure control on all gases as standard | 8600-2056 | Binary - High / Low pressure toggle any time during the analysis via time controlled by the PS Data System - ideal for split/splitless or helping elute high boilers at the end of a GC run. |
|--|-----------|---|

PeakSimple Serial Data System

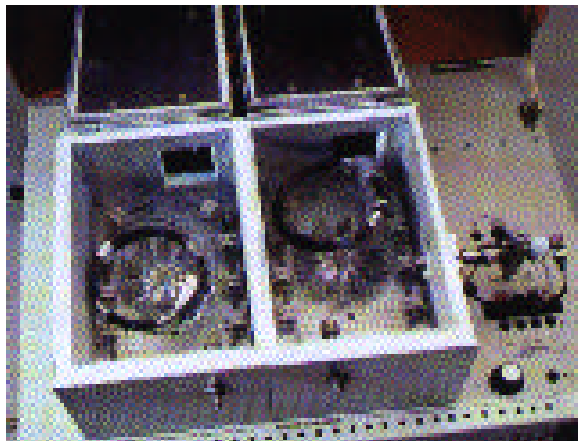
| | | |
|--|-----------|---|
| PeakSimple for Windows Serial Data System for GC and HPLC 110V | 8600-2055 | The simplest and cheapest system for multi-channel detectors with control of up to 2 GCs and 4 detectors simultaneously. Now included as standard in ALL new GC 8610C. The Interface A/D board is installed in the GC chassis. |
| PeakSimple for Windows Serial Data System for GC and HPLC 220V | 8602-2055 | |
| PeakSimple 11 Serial Data System - External (retro-fit existing 8600 or 9300 SRI GC) | 8600-2053 | Installed in External box |
| Serial Port External Event Relay | 8600-2065 | Adds additional 8 SPDT Relays |

Software and Updates - 3 1/2" 1.44Mb disk

| | | |
|-----------------------------|-----------|---|
| PeakSimple 11 Software Only | 8600-2030 | DOS - IBM PC/AT 4Mb Ram minimum recommended |
| PeakSimple for Windows 3.1 | 8600-400 | 486/33MHz 8Mb Ram minimum |
| PeakSimple for Windows 95 | 8600-4032 | 486/100MHz 16Mb Ram minimum |

See Parts List for current/new products

Dual Oven SRI 8610C GC



SRI 8610C Dual Oven Gas Chromatograph Shown

SRI 8610C Dual Oven GC

All of the features of the SRI model 8610C gas chromatograph, but with dual, independent temperature-programmable column ovens, and dual direct on-column injection ports.

This GC can perform the work of **two conventional gas chromatographs**, when equipped with two or more detectors, and in less than half the space of one conventional benchtop laboratory instrument.

This model is perfect for those high-output laboratories that need to perform simultaneous analyses using different columns, detectors, and methods. Ideal for laboratory, field, and mobile applications, this compact dual system takes up no more bench space than the standard, single column oven 8610C GC, yet delivers much more performance.

Multi-dimensional GC

This configuration is also perfect for multidimensional chromatography applications, where with the addition of an automated stream switching valve, a "time slice" from one column effluent can be redirected to a second, longer column, in a separate temperature-programmed column oven. This brief "time slice" may then be drawn out into a longer duration analysis, permitting extreme resolution of the segment to be scrutinized.

Multidimensional chromatographers will appreciate no longer having to string two full-sized GCs together (as suggested in one of the leading chromatography magazines in an article published in November, 1996) to accomplish what this compact, portable chromatography powerhouse can perform.

The SRI 8610C Dual Oven GC is available for only US\$6,495.00.

Call us for more information, or to configure your dual oven GC for your application.

SRI Model 8610 C Gas Chromatograph

Brand New For 1996! With Electronic Pressure Control and Programmable Column Pressure

SRI 8610C GC shown with 42-vial liquid autosampler carousel



The newest addition to the SRI gas chromatograph line, the 8610C GC, is a completely redesigned model that incorporates . . .

- | | |
|---|---|
| <p>Electronic Pressure Control on All Gases Carrier gas Pressure Programmable</p> | <ul style="list-style-type: none"> • Full electronic control of all system parameters, eliminating manual pneumatic pressure regulators and mass flow controller. • All system gases are controlled under Electronic Pressure Control (EPC), • Carrier gas is also pressure-programmable from 0 to 100psi, with ramp rates as high as 100psi per minute. |
| <p>New oven ambient to 400C at up to 40C/min. Cools from 250C to ambient temperature in 5minutes or less</p> | <ul style="list-style-type: none"> • A new, insulated column oven, measuring 7.25" x 7.25" x 2.5", equipped with a new design, high-output heating element, permits temperature-programming from ambient to 400 degrees C, at ramp rates up to 40 degrees per minute. • A redesigned oven circulation system eliminates any temperature gradients in the column oven. A new, high-performance cooling system cools the oven from 250 degrees C to ambient temperature in 5 minutes or less, permitting rapid recycle. |
| <p>Compact - Low Weight</p> | <ul style="list-style-type: none"> • The 8610C chassis maintains the compact dimensions of earlier models - 18.5"W x 14.5"D x 12.5"H, and units weigh from 40 to 60 pounds, based on the configuration of the GC for your application. |
| <p>"At-A-Glance LED Display of ALL zones</p> | <ul style="list-style-type: none"> • The front panel features an "at-a-glance" LED display panel that shows the status of all controlled zones in the GC system, and push-button display of all setpoints and actual values on the new, bright red digital LED display. |
| <p>4-Channel serial Data System Included Both DOS and Windows versions</p> | <ul style="list-style-type: none"> • Every detector-equipped 8610C GC is equipped with a built-in 4-channel serially-interfaced IBM PC-compatible PeakSimple data system, complete with MS-DOS and Windows 3.11 or Windows '95 versions of our program (please specify which Windows version you require). A 6' DB-9 serial cable connects the GC to your desktop or notebook PC's COM port. |
| <p>2-year Warranty</p> | <ul style="list-style-type: none"> • The 8610C GC chassis is provided with a two-year warranty and is priced at only \$6998Aud. This GC can be on your lab counter in 30 days or less. • Call for more information! |

8610C GC Series Specifications

| Detectors-: | Approx. Limits | Application |
|-------------|-------------------|---|
| TCO | 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 4 detectors

Common Configurations:

BTEX (Methods 8020 & 8015)
 Environmental/Air Monitoring (Methods T014, 8010 & 8020)
 Multi-Gas (BTU analysis, fixed gases-hydrocarbons to ClO)
 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 4 detectors

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 0C, unlimited ramps and holds, 0.01 C resolution, 0.1 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).

PARTS PRICE INDEX - by Category and Part Number

GAS CHROMATOGRAPHS

DETECTORS AND STANDALONE DETECTORS

ECD
FID
DELCD
NPD
PID
FPD
TCD
HID

INJECTORS

AUTOSAMPLERS
ON-COLUMN
PURGE & TRAP
THERMAL DESORBERS
VALVES

DATA SYSTEMS

DATA SYSTEM HOST PCs
A/D BUS SYSTEM
SERIAL PORT DATA SYSTEM

COLUMNS

ACCESSORIES

LABOR

MANUALS

- for a full range of GC packed and capillary columns and GC accessories including gas purifiers see the Restek details on our Website <http://www.chromtech.net.au>

Configure YOUR Own SRI 8610C GC System

Standard Equipment

PeakSimple 11 Data System software (NOT with the Educational GC); Versions for Win95, Win3.1 and DOS
Built-in SERIAL PORT Data System board to control up to 4 channels connecting directly to a PC's serial port (when purchased with any detector, except Educational GC)
Multi-ramp Temperature programmable column oven (ambient to 400C max)
Electronic Pressure Control (EPC) on ALL system gases.
At-a-glance LED display of all zones.
Cold On-column Injector
Operators Manual 8610 and PeakSimple
Exclusive 2 year SRI Warranty

EXTRA . . .

IBM/PC . . . NOT . . . Included
Columns, syringe, septa
Maintenance Kit
GasCylinder Regulators
& gas purifiers if required
Import Freight
Installation & Training
(if necessary)

| Pricing - DutyFree SalesTax Exempt | Just Add Up the Prices of the "Bits" You Need - see detailed price list | Total |
|---|---|------------------|
| Base Price | (Example Prices) | \$6988.00 |
| Add Detector - 8 to choose from | FID - \$2992; TCD - \$2992 | |
| Add Extra Injector - 2 only | Heated Packed Column - \$1042 Split/Splitless - \$2242 Gas Sample Valve - \$1442.00 | |
| Add an air compressor or vacuum pump | \$892 \$742 | |
| Import Freight Cost UPS | \$450 | |
| Installation / 1-day with Training (In Melbourne) (Australia / Interstate & Other Countries - At cost) | \$400 | |
| Add a column Capillary column* Packed column* *specify phase and/or packing material enquire about other sizes / configurations | eg Restek Rtx-5 30m, 0.25mmID, 0.25um - \$525.00 3ft 1/8" - \$175.00 | |
| Total . . . It Adds up to a Great Value ! | from \$9980.00 - Compare this to our competitors quote | |

Prices are effective as of January '98 (1Aud = 0.68 USD) but may be subject to Exchange Rate variations

Distributed in Australia by Chromalytic Technology

Fax : +61 3 9761 1169 Phone : +61 3 9762 2034

E-mail : jimjeffs@chromtech.net.au

Internet Connected
<http://www.chromtech.net.au>

Australian Price List January 1998

| GAS CHROMATOGRAPHS | | Aud |
|---------------------------|---|----------|
| 0310-0000 | 310 EDUCATIONAL TCD GAS CHROMATOGRAPH | \$4,493 |
| 0310-0001 | 310 EDUCATIONAL FID GAS CHROMATOGRAPH | \$5,993 |
| 0310-0003 | 310 GC MAINFRAME W/ EPC | \$6,998 |
| 0310-2203 | 310 GC MAINFRAME W/ EPC, 220V 50Hz MODEL | \$6,998 |
| 8610-0000 | 8610C EDUCATIONAL TCD GAS CHROMATOGRAPH | \$5,243 |
| 8610-0001 | 8610C EDUCATIONAL FID GAS CHROMATOGRAPH | \$6,743 |
| 8610-0003 | 8610C GC MAINFRAME w/ EPC | \$6,998 |
| 8610-0004 | 8610D GC MAINFRAME w/ DUAL COLUMN OVENS | \$9,743 |
| 8610-0050 | 8610C BTEX GAS CHROMATOGRAPH | \$23,993 |
| 8610-0058 | 8610C ENVIRONMENTAL GC (PID-FID/DELCD-P&T) | \$28,493 |
| 8610-0059 | 8610C ENVIRONMENTAL GC (PID-FID-DELCD-P&T) | \$29,993 |
| 8610-0062 | 8610C TPH GC w/ MANUAL VALVE | \$14,993 |
| 8610-0070 | 8610C MULTIPLE GAS ANALYZER GC - TCD | \$13,493 |
| 8610-0071 | 8610C MULTIPLE GAS ANALYZER TCD FID METH | \$17,993 |
| 8610-1500 | 8610C CFC GAS CHROMATOGRAPH WTH TCD | \$10,493 |
| 8610-1510 | 8610C CFC GAS CHROMATOGRAPH WITH FID | \$10,493 |
| 8610-2203 | 8610C GC MAINFRAME, 220V 50Hz MODEL | \$6,998 |
| 8610-2204 | 8610D GC MAINFRAME, DUAL OVEN 220V MODEL | \$10,043 |
| DETECTORS | | |
| | • DELCD | |
| 8670-1027 | DELCD HEATER ASSEMBLY | \$225 |
| 8670-1028 | DELCD COLLECTOR ELECTRODE ASSEMBLY | \$225 |
| 8670-1029 | DELCD HEATER I COLLECTOR ASSEMBLY | \$450 |
| 8680-1026 | DELCD MOUNTED ON MODEL 110 CHASSIS | \$7,493 |
| 8680-4026 | PID-DELCD MOUNTED ON MODEL 110 CHASSIS | \$12,743 |
| 8680-4120 | FID-DELCD MOUNTED ON MODEL 110 CHASSIS | \$8,993 |
| 8690-1026 | DELCD DETECTOR | \$5,993 |
| | • ECD | |
| 8680-0020 | ECD MOUNTED ON MODEL 110 CHASSIS | \$7,493 |
| 8690-0020 | ECD DETECTOR | \$5,993 |
| | • FID | |
| 8670-0150 | FID IGNITOR | \$113 |
| 8670-0155 | FID COLLECTOR ELECTRODE CABLE (REPL. 8610C) | \$45 |
| 8670-1024 | FID I NPD DETECTOR BODY | \$450 |
| 8680-0010 | FID MOUNTED ON MODEL 110 CHASSIS | \$4,493 |
| 8680-1080 | FID-FPD MOUNTED ON MODEL 110 CHASSIS | \$9,743 |
| 8680-4010 | FID-PID MOUNTED ON MODEL 110 CHASSIS | \$9,743 |
| 8690-0010 | FID DETECTOR | \$2,993 |
| | • ELCD | |
| 8670-9030 | ELCD NEEDLE KIT | \$75 |
| | • NPD | |
| 8670-0120 | NPD BEAD (REPLACEMENT ONLY) | \$45,000 |
| 8670-1024 | NPD I FID DETECTOR BODY | \$450 |
| 8680-0015 | NPD MOUNTED ON MODEL 110 CHASSIS | \$5,993 |
| 8690-0015 | NPD DETECTOR | \$4,493 |
| 8690-1015 | NPD CONVERSION KIT FOR FID | \$1,943 |

| | | |
|------------------|--|----------|
| | • PID | Aud |
| 8670-1240 | PID CELL ASSEMBLY | \$750 |
| 8670-1242 | PID LAMP 10.2 eV. w/ SEAL | \$750 |
| 8670-1244 | PID LAMP SEAL | \$8 |
| 8670-1245 | PID 45VDC BATTERY (REPLACEMENT) | \$38 |
| 8670-1248 | PID DETECTOR INLET BULKHEAD FITTING | \$300 |
| 8680-0040 | PID MOUNTED ON MODEL 110 CHASSIS | \$6,743 |
| 8680-4010 | PID-FID MOUNTED ON MODEL 110 CHASSIS | \$9,743 |
| 8680-4026 | PID-DELCD MOUNTED ON MODEL 110 CHASSIS | \$5,993 |
| 8690-0040 | PID DETECTOR | \$5,243 |
| | • FPD | |
| 8670-0080 | PMT TUBE | \$1,493 |
| 8670-0081 | FPD DETECTOR BODY | \$1,500 |
| 8670-0082 | SULPHUR WAVELENGTH FILTER | \$150 |
| 8670-0083 | PHOSPHORUS WAVELENGTH FILTER | \$150 |
| 8680-0080 | FPD MOUNTED ON MODEL 110 CHASSIS | \$7,493 |
| 8680-0085 | DYPD MOUNTED ON MODEL 110 CHASSIS | \$13,493 |
| 8680-1080 | FPD-FID MOUNTED ON MODEL 110 CHASSIS | \$8,993 |
| 8690-0080 | FPD DETECTOR | \$5,993 |
| 8690-0085 | SIMULTANEOUS S/P FPD DETECTOR | \$11,993 |
| 8690-1080 | FPD/FID DUAL DETECTOR (DUAL ELECTRONICS) | \$7,493 |
| | • TCD | |
| 8670-0011 | TCD GAIN SWITCH | \$45 |
| 8670-9100 | TCD CELL STAINLESS STEEL, GOWMAC-TYPE | \$1,500 |
| 8670-9120 | TCD FILAMENT, TUNGSTEN-RHENIUM | \$113 |
| 8670-9125 | TCD FILAMENT PROTECTION CIRCUIT (RETROFIT) | \$743 |
| 8670-9127 | TCD CELL w/ FILAMENTS, SRI MODEL | \$893 |
| 8680-0007 | TCD MOUNTED ON MODEL 110 CHASSIS | \$4,493 |
| 8690-0007 | TCD DETECTOR | \$2,993 |
| | HID | \$0 |
| 8690-0030 | HID DETECTOR | \$8,993 |
| 8680-0030 | HID MOUNTED ON MODEL 110 CHASSIS | \$10,493 |
| INJECTORS | | |
| | • AUTOSAMPLERS | |
| 8690-0068 | LIQUID AUTOSAMPLER CAROUSEL | \$11,243 |
| 8690-0053 | 10 STATION PURGE-AND-TRAP AUTOSAMPLER | \$8,993 |
| 8690-0075 | ON-LINE LIQUID SAMPLER | \$4,493 |
| 8690-2253 | 10 STATION PURGE-AND-TRAP AUTOSAMPLER 220 V | \$9,293 |
| | • DIRECT INJECTION | |
| 8670-1352 | SILICONE SEPTUM, MOLDED PLUG (EACH) | \$5 |
| 8670-1353 | SILICONE SEPTA (PACK OF 25) | \$75 |
| 8670-9090 | SEPTUM NUT W/ GUIDE FOR 26GA. NEEDLE | \$45 |
| 8670-9093 | 0.53mm CAPILLARY COLUMN ADAPTER | \$30 |
| 8670-9094 | INJECTOR BODY | \$375 |
| 8670-9095 | SEPTUM NUT W/ GUIDE FOR 20GA. NEEDLE | \$45 |
| 8670-9305 | HEATED TRANSFER LINE MOD. w/ PLUG | \$450 |
| 8670-9550 | SYRINGE 10 uL | \$60 |
| 8690-0023 | ADDITIONAL ON-COLUMN INJECTOR, EPC CIRCUIT | \$1,793 |
| 8690-0025 | HEATED INJECTION PORT UPGRADE | \$1,043 |
| 8690-0034 | SPLIT/SPLITLESS INJECTOR UPGRADE, AUTO. VENT | \$2,243 |
| 8690-0036 | SPME INJECTION PORT UPGRADE | \$1,943 |

| | | |
|-----------|---|---------|
| | • PURGE & TRAP | Aud |
| 8670-1300 | BLANK TRAP | \$30 |
| 8670-1305 | TENAX GR TRAP | \$113 |
| 8670-1315 | CARBOSIEVE II TRAP | \$113 |
| 8670-1320 | CARBOPACK B TRAP | \$113 |
| 8670-1324 | POLISHING FILTER 3" | \$113 |
| 8670-1330 | TEFLON TEST TUBE SEALS (1 PAIR), FOR P&T | \$23 |
| 8670-1335 | SPARGE TEST TUBES (10 PACK) | \$15 |
| 8670-1350 | PURGE & TRAP SPARGING HEAD w/ GAS INJ. PORT | \$525 |
| 8670-1450 | TRAP HEATER ASSEMBLY WITH T-COUPLE | \$375 |
| 8670-5050 | HOT WAND ASSEMBLY (REPLACEMT. HEATER ONLY) | \$443 |
| 8670-9556 | 1/16" S.S. TUBE FOR P&T SPARGE GAS | \$30 |
| 8680-5050 | HOT WAND ACCESSORY, ADJUSTABLE, i IOV | \$1,193 |
| 8690-0051 | AUTOMATED PURGE & TRAP SAMPLE CONCENTRATOR | \$8,993 |
| 8690-0053 | 10 STATION PURGE AND TRAP AUTOSAMPLER, 4 RELAY BD | \$8,993 |
| 8690-0064 | ELECTRIC VALVE ACTUATOR (REPLACEMT. w/ TRD) | \$893 |
| 8690-0075 | ON-LINE LIQUID SAMPLER | \$4,493 |
| 8690-0086 | CRYOCOOL w/ ELECTRONICS FOR P&T TRAPS | \$1,493 |
| 8690-0097 | TRAP PACKING ACCESSORY | \$225 |
| 8690-2253 | 10 STATION PURGE-AND-TRAP AUTOSAMPLER 220V, 4 REL | \$9,293 |
| | • THERMAL DESORBERS | |
| 8670-0062 | VALCO T ROTOR HIGH TEMP. | \$188 |
| 8670-1501 | DESORBER BULKHEAD | \$525 |
| 8670-1590 | 3/8" GRAPHITE FERRULE FOR TSD (EACH) | \$5 |
| 8690-1087 | THERMAL DESORBER SAMPLE TUBE (PK. OF 10) | \$150 |
| 8690-1088 | THERMAL SOIL DESORBER, MANUAL ACTUATOR | \$5,993 |
| | • VALVES | |
| 8670-0060 | VALCO E ROTOR MID TEMP. | \$188 |
| 8670-0061 | VALCO P ROTOR LOW TEMP. | \$188 |
| 8670-0062 | VALCO T ROTOR HIGH TEMP. | \$188 |
| 8670-8000 | SAMPLE LOOP | \$75 |
| 8690-0063 | MANUAL GAS SAMPLE VALVE, 10 PORT | \$1,493 |
| 8690-0064 | ELECT. VALVE ACTUATOR (REPLACEMT. w/ TRD) | \$893 |
| 8690-0065 | AUTOMATED GAS SAMPLE VALVE, 10 PORT | \$2,993 |
| 8690-0066 | AUTOMATED 10 STREAM SELECTION ACCESSORY | \$5,243 |
| 8690-0067 | BLOCK HEATER w/ CARTRIDGE FOR GAS VALVE | \$743 |
| 8690-0069 | SOLENOID-CONTROLLED GAS VALVE | \$593 |
| 8690-0083 | CRYOTRAP LOOP, AUTOMATED CONTROL | \$2,243 |
| 8690-0084 | HEATED TRAP ACCESSORY | \$1,493 |
| 8690-0088 | THERMOSTATTED VALVE OVEN | \$1,193 |
| 8690-0089 | UNHEATED INSULATED VALVE OVEN | \$375 |
| | • INJECTOR ACCESSORIES | |
| 8670-8000 | SAMPLE LOOP (0.5 to 3.0cc, SPECIFY) | \$75 |
| 8690-0075 | ON-LINE LIQUID SAMPLER | \$4,493 |
| | LABOR | |
| 8660-1000 | LABOR | |
| 8660-1250 | PARTS / LABOR | |
| 8660-1500 | REFURBISH /TUNE-UP | \$1,125 |
| 8660-2000 | TRAINING, DAY RATE IN-HOUSE | \$900 |
| 8660-3000 | RENTAL | |
| | MANUALS | |
| 8600-MANU | SRI GC MANUAL | \$225 |
| 8600-SOFT | PEAKSIMPLE SOFTWARE MANUAL | \$150 |

| DATA SYSTEM | | Aud |
|---|---|---------|
| 8600-4000 | PEAKSIMPLE FOR WINDOWS SOFTWARE UPGRADE | \$1,043 |
| 8600-4030 | PEAKSIMPLE FOR WINDOWS SOFTWARE UPDATE | \$149 |
| 8600-4500 | PEAKSIMPLE 32-BIT UPGRADE FOR 16-BIT USER | \$149 |
| 8600-5500 | PEAKSIMPLE PARA WINDOWS SPANISH UPGRADE MOD. | \$443 |
| 8600-SOFT | PEAKSIMPLE DATA SYSTEM MANUAL W/ TUTORIAL | \$150 |
| • DATA SYSTEM HOST PCs | | |
| 8600-9000 | DATA SYSTEM HOST NOTEBOOK PC w/ PTR. | \$4,493 |
| 8600-9010 | DATA SYSTEM HOST DESKTOP PC w/ PTR. | \$4,493 |
| 8600-9050 | MULTIMEDIA DATA SYSTEM HOST DESKTOP PC W/ PTR. | \$5,243 |
| • A/D BUS SYSTEM (WHILE SUPPLIES LAST) | | |
| 8600-2000 | PEAKSIMPLE II DATA SYSTEM FOR MS-DOS | \$1,793 |
| 8600-2010 | A/D BOARD FOR ADDITIONAL CHANNEL | \$893 |
| 8600-2015 | RIBBON CABLE FOR A/D BOARD | \$45 |
| 8600-2020 | INTERFACE BOARD FOR A/D BOARD | \$443 |
| 8600-SOFT | PEAKSIMPLE DATA SYSTEM MANUAL | \$150 |
| • SERIAL PORT DATA SYSTEM | | |
| 8600-1055 | PEAKSIMPLE 1 CH. SERIAL DATA SYSTEM KIT, MOD. 204 | \$1,943 |
| 8600-1056 | 8 RELAY BOARD FOR MODEL 203 SERIAL INTERFACE | \$293 |
| 8600-2022 | SINGLE-GAS EPC OPTION FOR MODEL 202 UNITS | \$743 |
| 8600-4000 | PEAKSIMPLE FOR WINDOWS SOFTWARE UPGRADE | \$1,043 |
| 8600-4030 | PEAKSIMPLE FOR WINDOWS SOFTWARE UPDATE | \$149 |
| 8600-4055 | PEAKSIMPLE 4 CH. SERIAL DATA SYSTEM KIT, IIOV MOD.202 | \$3,293 |
| 8600-4060 | 4 RELAY BOARD FOR GC RETROFIT SERIAL INTERFACE | \$263 |
| 8600-4065 | 5 RELAY BOARD FOR GC RETROFIT SERIAL INTERFACE | \$375 |
| 8600-4255 | PEAKSIMPLE 4 CH. SERIAL DATA SYSTEM KIT, 220V MOD.202 | \$3,293 |
| 8600-4500 | PEAKSIMPLE 32-BIT UPGRADE FOR 16-BIT USER | \$149 |
| 8600-5500 | PEAKSIMPLE PARA WINDOWS SPANISH UPGRADE MODULE | \$443 |
| 8600-SOFT | PEAKSIMPLE DATA SYSTEM MANUAL W/ TUTORIAL | \$150 |
| | | \$0 |
| COLUMNS | | \$0 |
| 8600-PKC1 | 3' x 1/8" S.S. SILICA GEL PACKED COLUMN | \$150 |
| 8600-PKC2 | 3' x 1/8" S.S. MOLECULAR SIEVE 5A PACKED COLUMN | \$150 |
| 8600-PKC3 | 3' x 1/8" TEFLON PORAPAK Q PACKED COLUMN | \$225 |
| 8600-PKC4 | CTR1 DOUBLE PACKED COLUMN | \$450 |
| 8600-PKC5 | 5' x 1/8" S.S. SILICA GEL PACKED COLUMN | \$225 |
| 8600-WBC1 | 15M MXT-1 CAP. COLUMN | \$375 |
| 8600-WBC2 | 15M MXT-5 CAP. COLUMN | \$375 |
| 8600-WBC3 | 30M MXT-VOL CAP. COLUMN | \$750 |
| 8600-WBC4 | 60M MXT-VOL CAP. COLUMN | \$1,013 |
| 8600-WBC7 | 30M MXT-1 CAP. COLUMN | \$750 |
| 8600-WBC8 | 30M MXT-5 CAP. COLUMN | \$750 |
| ACCESSORIES | | |
| 8600-C346 | GAS LINE INSTALLATION KIT CGA346 | \$593 |
| 8600-C350 | GAS LINE INSTALLATION KIT CGA350 | \$593 |
| 8600-C380 | GAS LINEINSTALLATION KIT CGA380 | \$593 |
| 8600-C580 | GAS LINE INSTALLATION KIT CGA580 | \$593 |
| 8600-C590 | GAS LINE INSTALLATION KIT CGA590 | \$593 |
| 8670-9305 | HEATED TRANSFER LINE MOD. w/ PLUG | \$450 |
| 8670-9554 | SRI TUBING CUTTER FOR COPPER TUBING | \$15 |
| 8680-5050 | HOT WAND ACCESSORY, ADJUSTABLE, 110V | \$1,193 |
| 8690-0070 | INTERNAL WHISPER-QUIET AIR COMPRESSOR, 110V | \$893 |
| 8690-0073 | VACUUM PUMP INTERFACE, AUTOMATED | \$743 |

Distributed in Australia by Chromalytic Technology

Fax : +61 3 9761 1169 Phone : +61 3 9762 2034

E-mail : jimjeffs@chromtech.net.au

Internet Connected
<http://www.chromtech.net.au>

| | | |
|-----------------|---|---------|
| 8690-2270 | INTERNAL WHISPER-QUIET AIR COMPRESSOR, 220V | \$1,043 |
| 8690-0081 | METHANIZER ACCESSORY | \$1,193 |
| 8690-0095 | REUSEABLE SHIPPING CONTAINER | \$300 |
| 8690-0097 | TRAP PACKING ACCESSORY | \$225 |
| PARTS | | |
| 8670-1356 | PORTER GAS PRES REGULATOR & FITTING | \$375 |
| 8670-1357 | PORTER PRESSURE REGULATOR w/ SENSOR | \$488 |
| 8670-1400 | OVEN HEATER / SOCKET SET, 110 OR 220V | \$75 |
| 8670-1401 | OVEN HEATER ELEMENT | \$60 |
| 8670-1402 | OVEN HEATER SOCKET | \$15 |
| 8670-1590 | 3/8" GRAPHITE FERRULE FOR TSD | \$8 |
| 8670-1853 | GRAPHITE REDUCING FERRULE, 1/8" - 0.8mm | \$5 |
| 8670-6000 | DIGITAL FLOW CONTROLLER | \$525 |
| 8670-6010 | FLUISTOR (EPO MODULE) WITH CONNECTOR | \$225 |
| 8670-6021 | TANK PRES. REGULATOR w/ CGA FITTING | \$375 |
| 8670-6022 | NORGREN GAS PRESSURE REGULATOR | \$113 |
| 8670-6023 | NORGREN PRESSURE REGULATOR w/ SENSOR | \$225 |
| 8670-6024 | WATTS GAS PRESSURE REGULATOR | \$150 |
| 8670-6025 | WATTS PRESSURE REGULATOR w/ SENSOR | \$263 |
| 8670-6026 | GAUGE FOR REGULATOR | \$60 |
| 8670-6500 | OVEN CIRCULATING FAN w/ SQUIRREL CAGE | \$150 |
| 8670-6550 | GREY OVEN COOLING FAN | \$150 |
| 8670-6575 | COOLING FAN MUFFIN | \$113 |
| 8670-9001 | GC MAINTENANCE KIT, 8610C 110V | \$743 |
| 8670-9002 | GC MAINTENANCE KIT, 8610C 220V | \$743 |
| 8670-9003 | GC MAINTENANCE KIT, 8610B 110V | \$593 |
| 8670-9004 | GC MAINTENANCE KIT, 8610B 220V | \$593 |
| 8670-9093 | 0.53mm CAPILLARY COLUMN ADAPTER | \$30 |
| 8670-9555 | TUBING COPPER 1/8" PER FT. | \$2 |
| 8690-0095 | REUSEABLE SHIPPING CONTAINER | \$300 |
| 8690-1070 | REPLACEMENT AIR FILTER | \$150 |
| 8690-1081 | REPLACEMENT METHANIZER TUBE | \$150 |
| 8690-7000 | OP-AMP CHIP | \$15 |
| 8690-7 10 | 0 SCR - TRIAC CIRCUIT BOARD | \$375 |
| TRAINING | | |
| 8600-DEMO | VIDEOTAPE/SOFTWARE-GENERAL | \$15 |
| 8660-2000 | TRAINING, DAY RATE IN-HOUSE | \$1,200 |

SRI 8610 GC

The Lowest Cost High Performance GC in the World

Compare Prices You'll be Most Surprised !

Look Under the **Red Lid**
 Yes It's **ALL** There !
 Incomparable Value for Money !

Distributed in Australia by Chromalytic Technology

Fax : +61 3 9761 1169 Phone : +61 3 9762 2034

E-mail : jimjeffs@chromtech.net.au

Internet Connected
<http://www.chromtech.net.au>