



GC-LC Innovations

PeakSimple Data Systems

With 1, 4, or 6 Channels of Data Acquisition

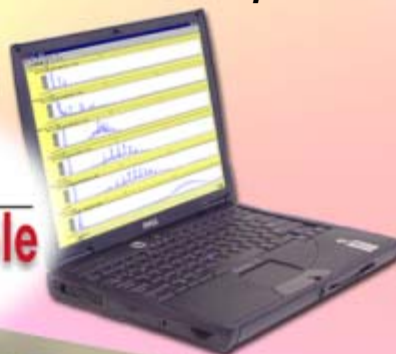
**Standard in every SRI
GC and HPLC system**

For any Windows™ computer



USB or serial port

PeakSimple

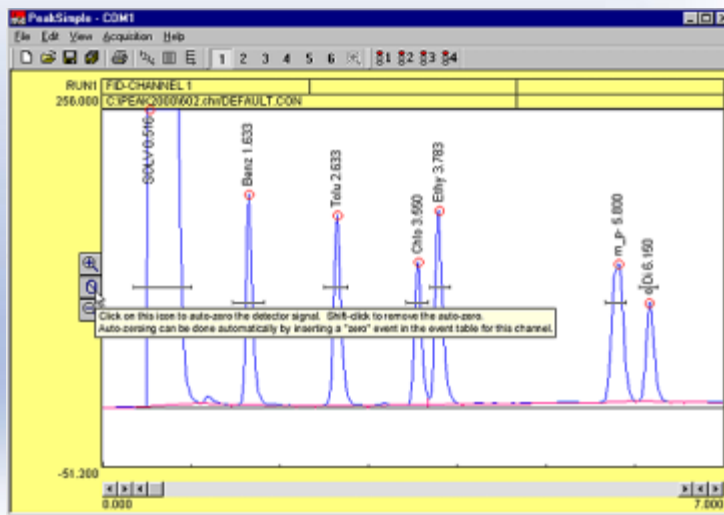


Available as a stand alone unit


SRI's PeakSimple Chromatography Data System is included with every SRI GC and HPLC system, and is also available as a convenient stand-alone data system for any other manufacturer's GC or HPLC. PeakSimple software has been continuously developed, refined and improved since 1988 by the same dedicated team of working chromatographers who use the software on a daily basis, and strive to simplify and enhance every aspect of PeakSimple so our customers will benefit. New features are added to PeakSimple several times per year and the latest version is always FREE to download online, along with helpful tutorials. Tech support at SRI is "old fashioned!" When you call, a knowledgeable technician will answer your questions right away. No complicated phone menus, and no waiting on hold!

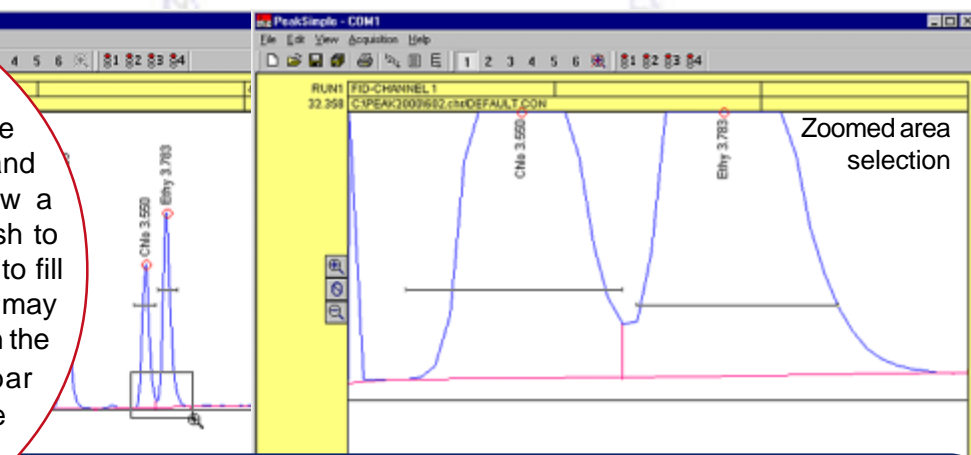
Easy to Learn, Easy to Use Software for all Windows™ Computers



Most PeakSimple functions are launched from the chromatogram window, and are so user friendly that most operators can produce results almost immediately. ToolTips makes learning your way around PeakSimple even easier—just hold your mouse cursor over any icon or checkbox to read the onscreen How-To instructions in one of many available languages.

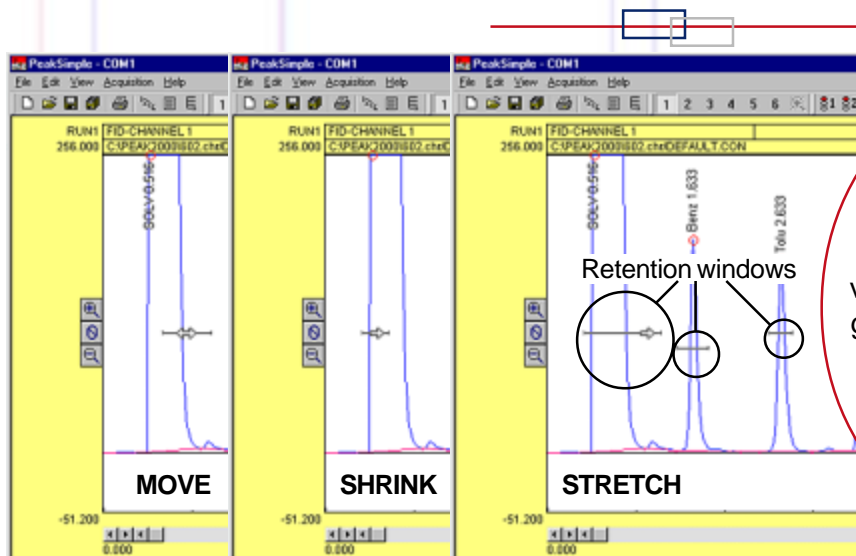


TAKE A CLOSER LOOK AT YOUR DATA

PeakSimple gives you two ways to closely examine data in the chromatogram window. Click and drag the mouse cursor to draw a rectangle around the area you wish to enlarge, and that area will expand to fill the chromatogram window. This may be done multiple times. Clicking on the Unzoom  icon in the toolbar unzooms one level at a time until you return to the original resolution.



A mouse click on one icon  vertically enlarges the peaks in the chromatogram, decreasing the y-axis display limits by a factor of two. A click on another icon  increases the y-axis display limits by a factor of two, which vertically shrinks the chromatogram peaks.



CLICK & DRAG RETENTION WINDOWS

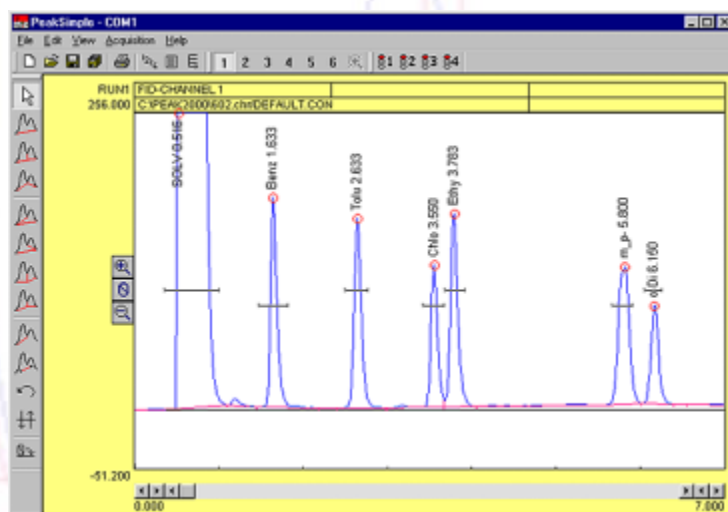
Retention window brackets are visible onscreen, and may be grabbed, dragged onto a peak, widened, or narrowed. The component table is automatically updated when a retention window is graphically moved or modified.

MANUAL INTEGRATION

Manual integration tools permit you to refine the integration method applied to any peak. The manual integration toolbox is available at a click of the mouse. Baseline projection may be “rubber-banded” from point to point, forced to a valley, dropped vertically, skimmed, etc.



The Manual Integration toolbox may be placed above (as shown at right) or to the left of the chromatogram window. It may also be dragged “off” the chromatogram window to float as an independent, move-able window.

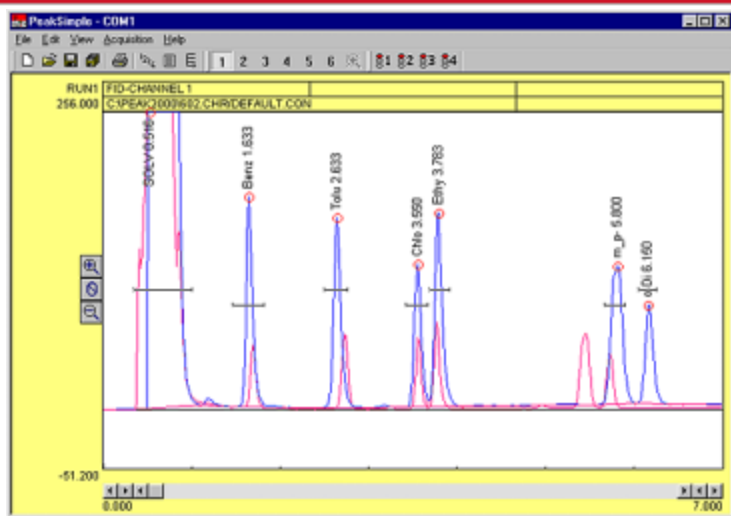


OVERLAY CHROMATOGRAMS

Overlay the data in any channel onto any other channel for retention time comparison or multi-detector correlation.



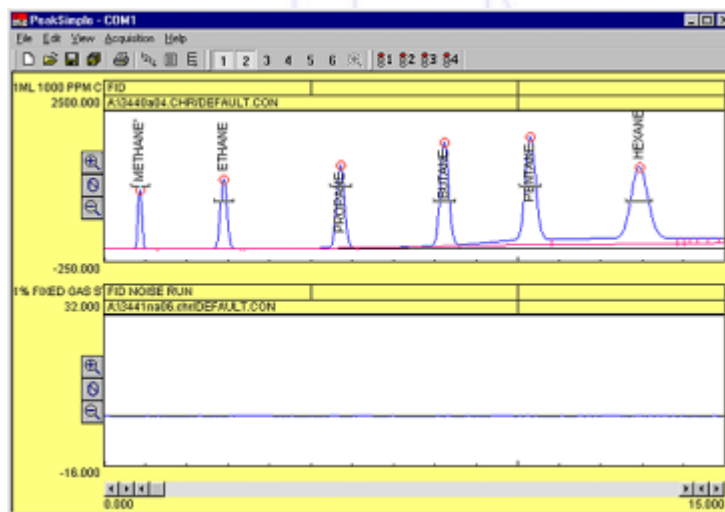
The Overlay Adjust feature lets you stretch and shift overlaid data to facilitate pattern matching.



BASELINE SUBTRACTION and DATA SMOOTHING

Blank baseline subtraction is useful to compensate for baseline drifting due to column bleed and temperature ramping. PeakSimple lets you subtract baselines in real time as data is collected or post run.

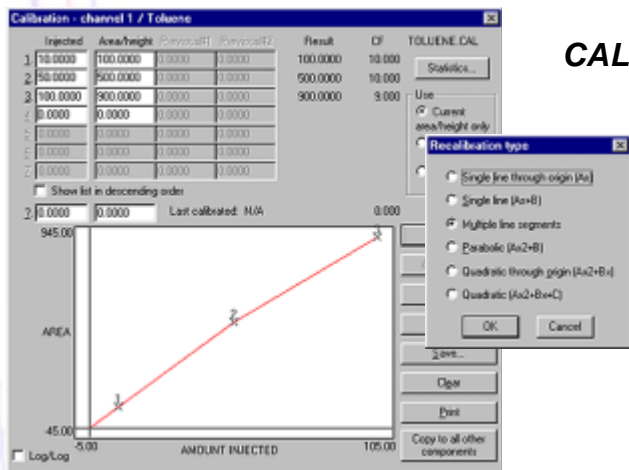
Noisy detector signals can be smoothed manually or automatically at the end of a run. Smoothing algorithms include Olympian, Moving Average, and Savitsky-Golay.



CALIBRATION

Multi-Level Calibration Curves

Calibrate peaks six ways (multi-line, quadratic, parabolic, etc.) using single or averaged data at up to seven concentration levels. Statistics for evaluating line fit quality, modification date audit trail, and curve printout help to ensure defensible results.



Calibration Averaging

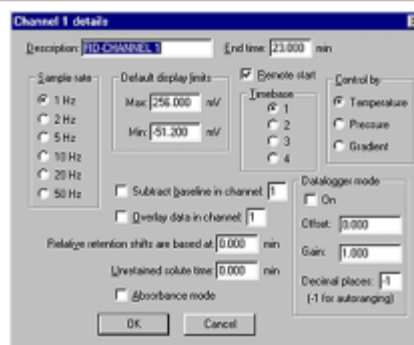
PeakSimple allows up to three replicate calibration standards at seven levels of concentration to be averaged when constructing calibration curves.



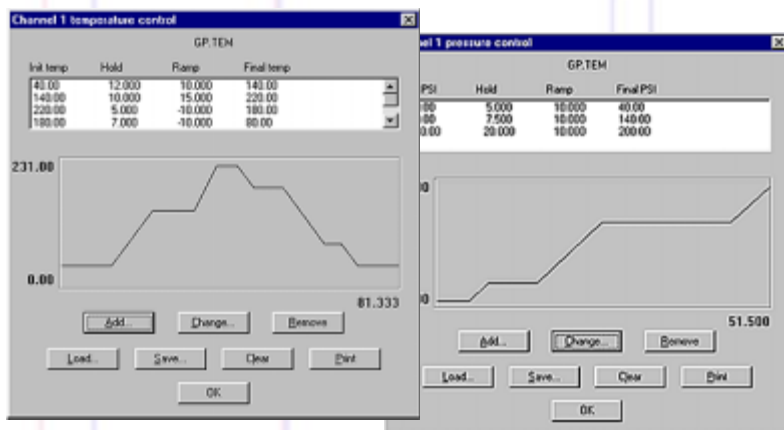
PeakSimple for Windows™ Software

CHANNEL DETAILS

Each channel has a Channel details dialog box which allows users to set parameters for that particular channel. From the Channel details dialog box, you can set your sampling rate and default millivolt display limits; choose temperature, pressure, or gradient control; subtract the baseline from another channel; overlay the data from another channel; turn Data-logger mode ON or OFF; designate a start time to compensate for relative retention shifts, and more.



TEMPERATURE PROGRAMMING



EPC & HPLC GRADIENT PROGRAMMING

“Temperature,” “Pressure,” and “Gradient” channel control options all use the same simple dialog box, and each may be programmed with unlimited ramps and holds. Program one or two SRI GC column ovens from ambient to 400°C with 0.01 degree resolution and negative programming. Program the carrier gas pressure on SRI GCs equipped with electronic pressure control. Form binary HPLC gradients for low-cost pump control.

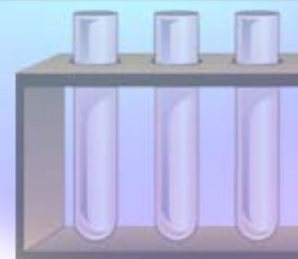
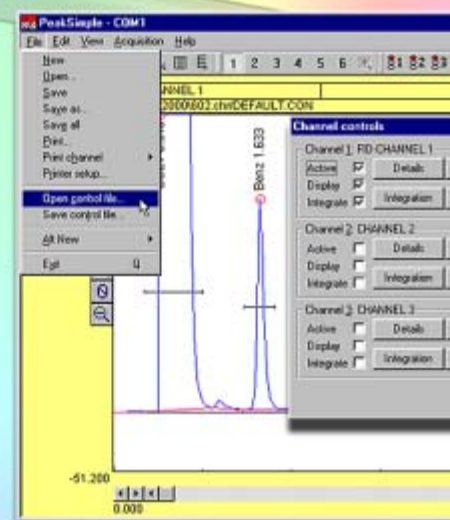
MANUAL/AUTOMATIC EXTERNAL EVENT CONTROL

In addition to performing timed integration events, control up to eight external contact closure relay outputs to actuate sampling valves, autosamplers, solenoids, pumps, or any external device using TTL or relay contact closure triggers.



CONTROL

Eliminate the need to repeat... simply by opening a control file. Maximize reproducibility—it does chromatograph because the control parameters. Save any change you make post-run actions, even color choices, to a control file for each method of analysis that you control files you can have is limited only by you.





INTEGRATION

Use the Integration button to determine how PeakSimple integrates the data peaks in the chromatogram. Set peak detection sensitivity, area reject and standard weight. Specify a spike channel, merge results from another channel, and correct for sample weight and dilution.

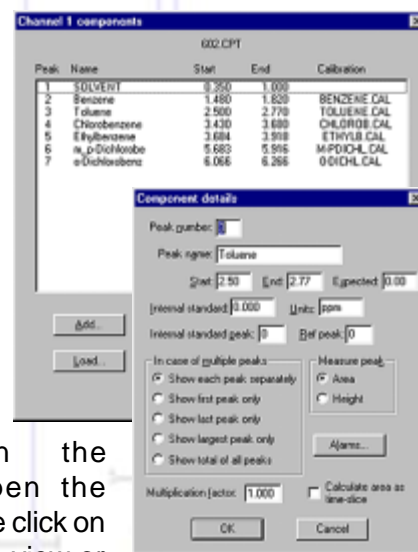
DL FILES

Specify run parameters before beginning an analysis. It doesn't matter who is operating the files contain all the necessary run parameters in the analysis, from channel details to control file and use it again and again. Create a file that your lab typically performs. The number of files on your disk space.



COMPONENTS

Create, save and edit component tables with an unlimited number of compounds. Enter expected retention times, control peak display, and more! Component details may be viewed and edited by double-clicking on any retention window in the chromatogram. Or, open the Component table and double click on any component in the list to view or edit that component's details.

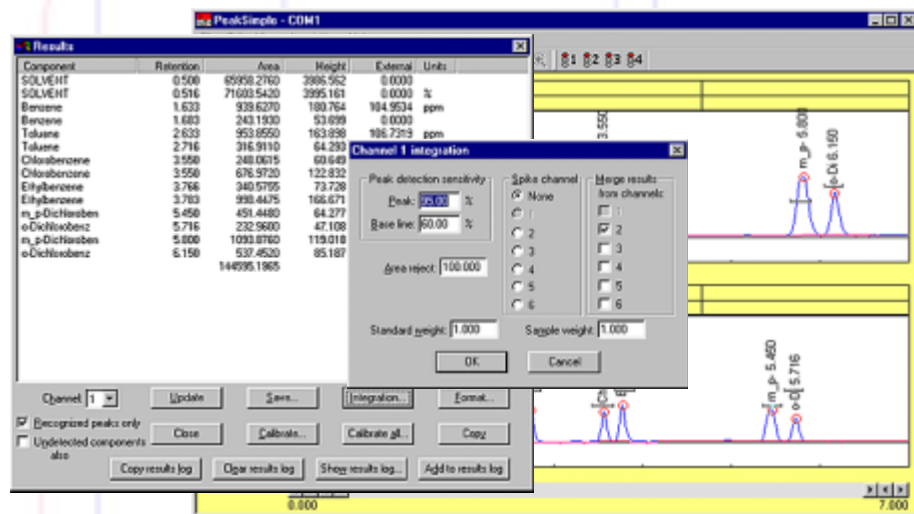
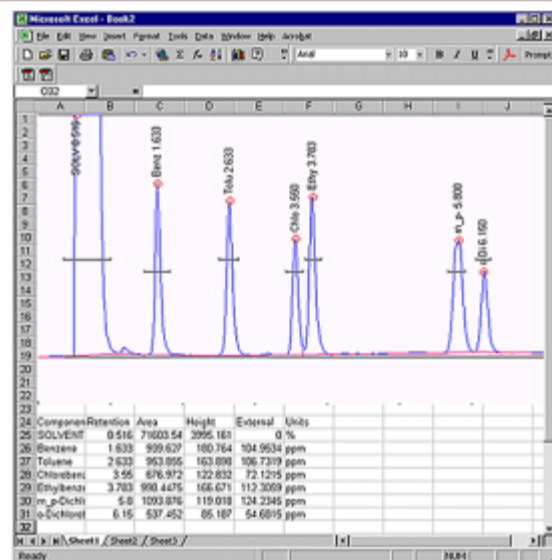


POSTRUN

PeakSimple can perform a variety of postrun actions to help you maintain and organize your data. Specify how data will be saved, and automatically add the results of the run to the results log for that channel. You can set PeakSimple to automatically print the results at the end of a run, and update your DDE link. Execute a command, specify a recalibration level, and restart the run after a given amount of time. You can even have PeakSimple smooth the data before copying it into another channel.

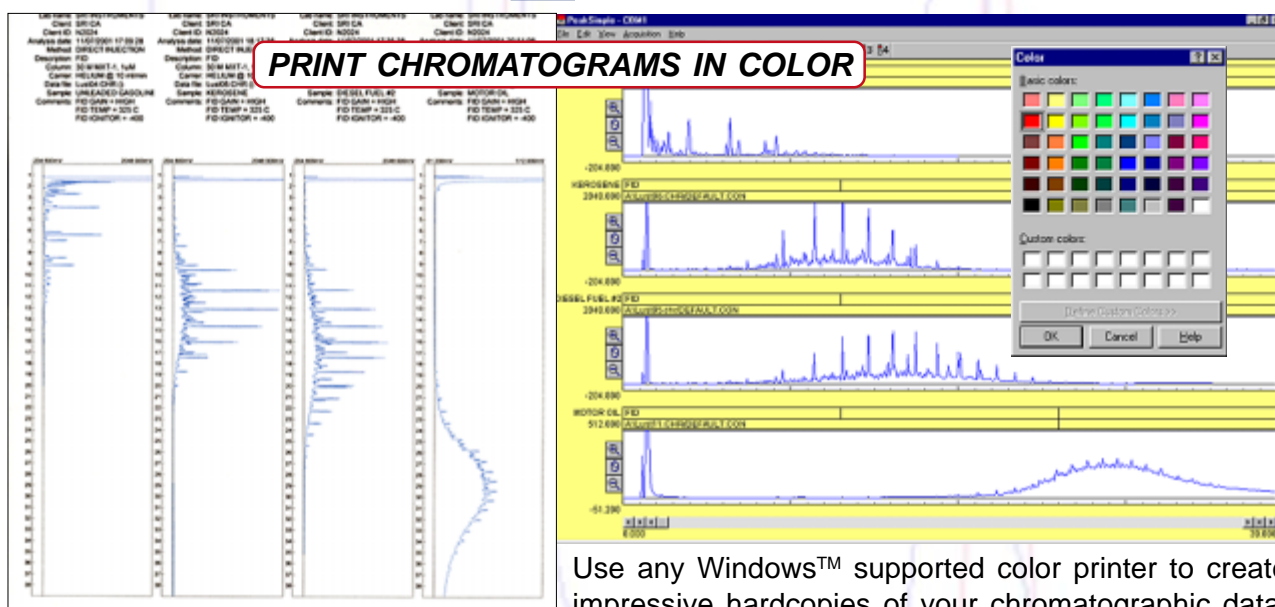
DYNAMIC DATA EXCHANGE

Link PeakSimple to your DDE compatible spreadsheet or word processor (Excel, Word, 123, etc.). Analytical results are automatically transferred after every run, or can be accumulated within PeakSimple and copied as a block of data. Use the Copy Picture option to paste the chromatogram itself into Excel, etc. along with the results.



MERGE RESULTS FROM MULTIPLE CHANNELS

PeakSimple lets you merge the results from any channel or all channels into one report. This feature is handy when you're combining results from different detectors into a single report for export to Excel or other data analysis programs.



PRINT CHROMATOGRAMS IN COLOR

Use any Windows™ supported color printer to create impressive hardcopies of your chromatographic data. Print multiple chromatograms per page for easy detector-to-detector comparisons and paperwork consolidation. Print overlaid data in contrasting colors with adjustable line weight.

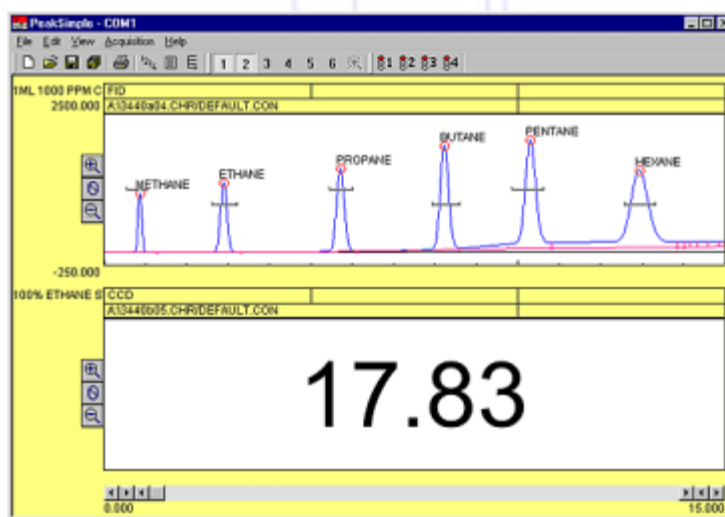


AUTOSAMPLER QUEUE and BATCH REPROCESSING

Create customized autosampler sequences for liquid injections, purge and trap autosamplers, gas sampling valves, and stream selectors including unique predefined sample information, auto-calibration and batch reprocessing of previously run samples.

DATA LOGGER MODE

Peak Simple's Data Logger Mode allows you to display a scaled and calibrated result in large numbers instead of the usual strip chart data presentation. Data Logger Mode is especially useful when monitoring total hydrocarbons on one channel while performing a separation on another channel.



SELF-VALIDATING HARDWARE

PeakSimple will play back and re-acquire any chromatogram multiple times, establishing the precision and accuracy of the data system using real data, not "canned" chromatograms. PeakSimple's validation can be performed by the user anytime without extra hardware.



SRI PeakSimple Data Systems

Serial Port

Models 202 and 203 connect to your computer with a serial port cable. Windows™ computers with two available serial ports can operate dual **203** systems, a **202** and **203** together, or dual **202** systems for a total of up to eight data channels and four time bases. Temperature and pressure control outputs are available for connection to a GC or HPLC. PeakSimple software works with each of the following hardware options, serial or USB port, and is included with each unit.

Model 203 has one channel capable of acquiring data at up to 50Hz. Its eight TTL outputs can be optionally wired to a bank of eight single-pole, dual-throw mechanical relays with screw terminals for easy connection to any user device which operates from a contact closure. A remote start input allows run initiation from the user's GC or HPLC system. The 220VAC system is supplied with a UL, CSA, and CE/VDE approved universal voltage input which will operate on any 100-250 volt power supply.

Model 203



Approximately 8" wide x
8" deep x 1.75" high

Model 202 has four channels. Data can be acquired at up to 50Hz with one channel active, 10Hz with two channels, or 5Hz with all four channels activated. The four channels of data can be randomly assigned to one of two time bases to allow independent start and stop times for two entirely separate instruments. Two remote start inputs allow run initiation from the user's GC or HPLC system. Model 202 includes the bank of eight single-pole, dual-throw mechanical relays with screw terminals for easy connection to any device that operates from a contact closure.

Model 202

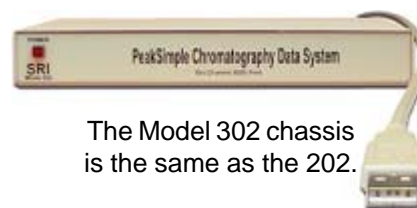


Approximately 15" wide x
11" deep x 2" high

USB

Model 302 is for analysts who prefer the hot-swappable, plug-and-play capabilities of Universal Serial Bus devices. Four remote start inputs allow run initiation from the user's GC or HPLC system. The six channels of data can be randomly assigned to one of four time bases which provides independent start and stop times for 4 entirely separate instruments. Data can be acquired at up to 50Hz per channel with 4 channels active, and up to 20Hz with all 6 channels activated and acquiring data. The Plug and Play peripheral connection of choice, USB is supported by Microsoft Windows 98, 98SE, ME, XP, and 2000.

Model 302



The Model 302 chassis
is the same as the 202.

8600-1055	Model 203 Single Channel Data System with PeakSimple software	\$ 1,395.00
8600-1255	Model 203 220VAC	\$ 1,495.00
8600-4055	Model 202 Four Channel Data System with PeakSimple software	\$ 2,395.00
8600-4255	Model 202 220VAC	\$ 2,395.00
8600-6055	Model 302 Six Channel USB Data System with PeakSimple software	\$ 2,595.00
8600-6255	Model 302 220VAC	\$ 2,595.00