

Increase your Analytical

WITH-

the Hewlett-Packard 8450A UV/Visible Spectrophotometer

A full spectrum or a multicomponent analysis is generated in seconds with this powerful, one-of-a-kind spectrophotometer.

Electronics simplify the optical system and reduce moving parts to one. HP's advanced SOS microcomputer technology makes it a new generation instrument that performs a previously impossible combination of tasks.

For example the 8450A:

☐ Measures and displays a spectrum covering the full 200-800 nm wavelength range in one second!

☐ Measures different components in a mixture and displays concentration of each in seconds.

☐ Performs and displays statistical analysis of each component automatically so you can instantly see and evaluate the quality of the data.

☐ Generates spectra so fast its graphics display screen becomes a "scratch pad."

☐ Measures absorbance (or other parameters) as function of time in collecting kinetics data as often as every second.

The HP 8450A fits neatly on a lab bench and is as simple as 1, 2, 3 to operate. Internal diagnostic capability provides for proper operation.

Make the HP 8450 a major contributor to your UV/Visible productivity.

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Productivity!

WITH-

the HP 5880A Gas Chromatograph using the new HP flexible fused silica column

The powerful combination of flexible fused silica columns and the HP 5880A Gas Chromatograph provides the maximum performance in high resolution gas chromatography.

These fused silica columns offer flexibility, inertness, thermal stability and high efficiency. Separations that were previously difficult or impossible can now be performed with ease. The HP 5880A Gas Chromatograph was designed specifically for capillary use. It offers many important advantages:

Versatility

- On-column injection with WCOT columns using HP's new valveless adaptor kit
- Automatic purged splitless operation for trace analysis



- Split mode operation over a wide molecular weight range
- Direct injection with SCOT, large bore open tubular or packed columns
- Two inlets can be installed on the 5880A

Inertness

- Fused quartz inlet liners
- Column extends to the tip of the flame ionization detector jet to eliminate sample contact with metal

Reproducibility

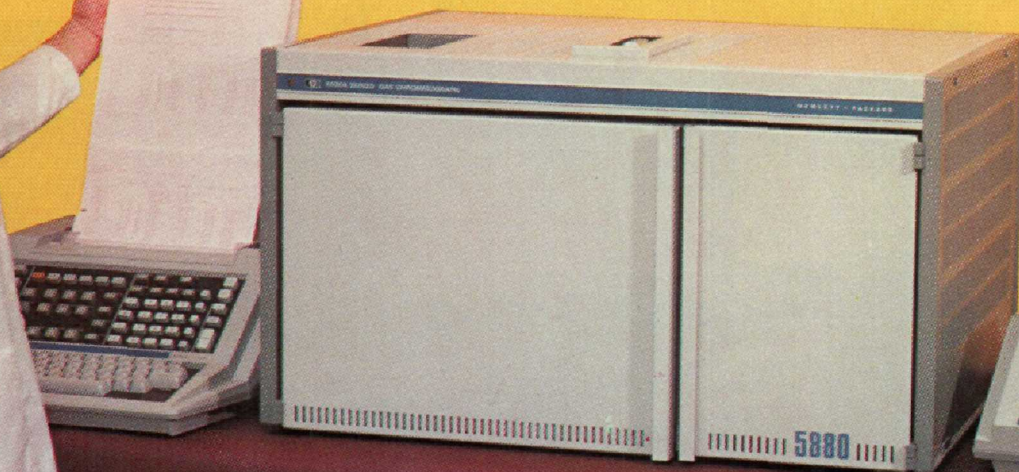
- Extremely stable oven for reproducible retention times
- A totally new integrator concept detects fast peaks and accurately integrates them for exceptional area reproducibility

Complete Reports

- Fast printer/plotter keeps up with the fastest, narrowest peaks
- Retention times printed out to three decimal places
- Peak heights & widths reported as well as area

High resolution gas chromatography has come of age.

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Increase your Analytical

WITH-

the Hewlett-Packard 1084B Liquid Chromatograph

Look at what has been added to the 1084B: Increased sample throughput, added separation selectivity and improved identification. This full range of capabilities adds versatility for your present and future needs.

With the automatic sampler you can sequentially analyze different types of samples using individualized preprogrammed conditions for optimum analyses.

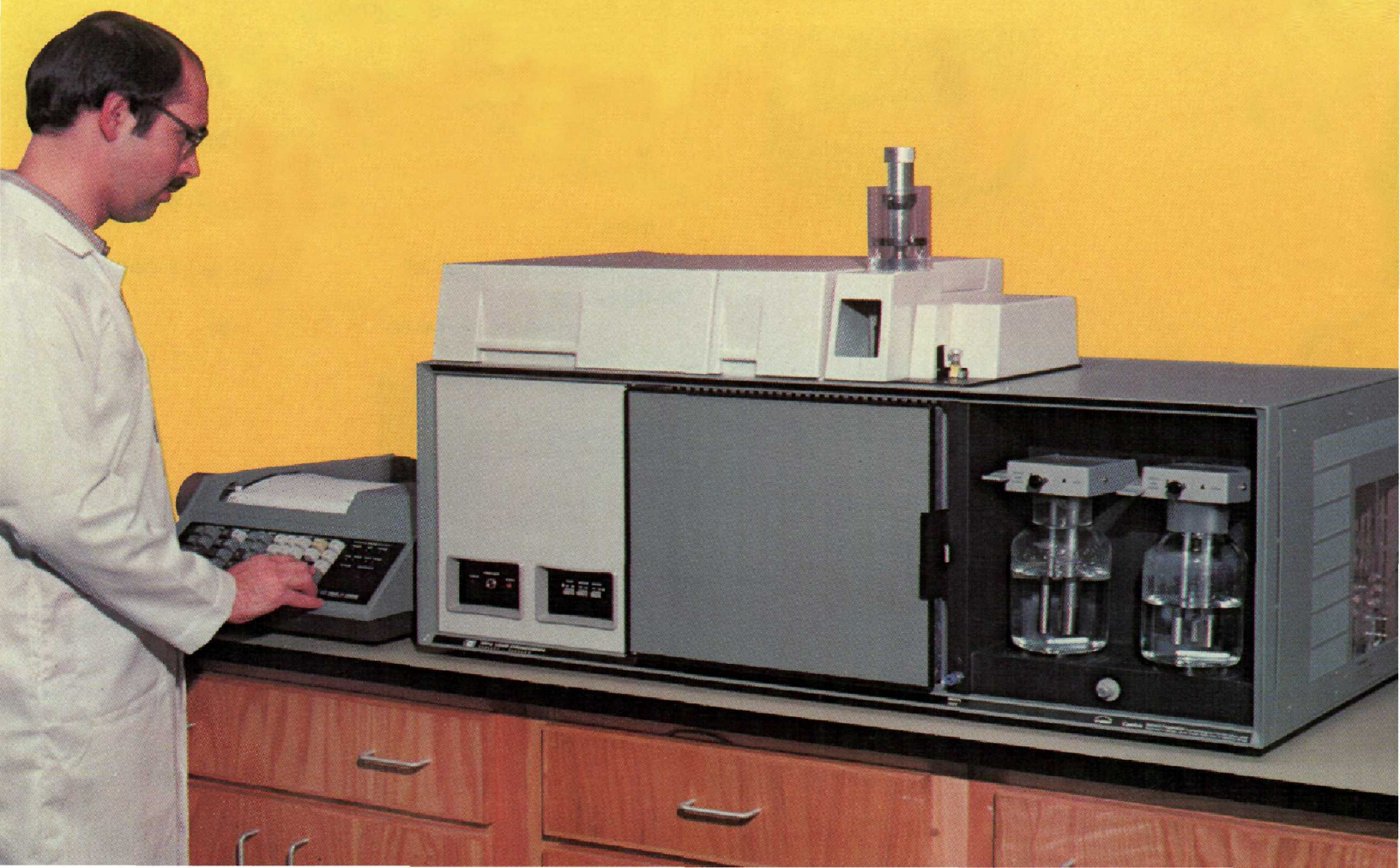
Our bidirectional lab automation system interface allows your LC to communicate with and be controlled by a data system for unattended operation. Procedures such as recalibration can be carried out automatically.

Programmed wavelength changes with the variable wavelength detector let you optimize the response for each component of interest. Separations have greatly enhanced selectivity with a column switching valve.

Confirmation of peak identity is quickly attained with the variable wavelength detector's UV/VIS scanning capability. More specific identification is possible with the on-line LC/MS interfacing and the programmable preparative attachment for multiple fraction collection.

Increased sample throughput, added separation, selectivity and improved identification mean increased LC productivity.

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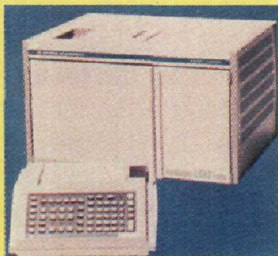


Productivity!

WITH-

HP GAS CHROMATOGRAPHS

Chemical performance, versatility and computational power are maximized in the new 5880A. The microprocessor based 5840 offers unmatched price/performance ratio; the 5700 series—rugged simplicity. All are available with automatic injection, capillary inlets and assorted accessories.



HP GC/MS SYSTEMS



Our five basic systems offer capabilities to solve a wide variety of analytical needs. There is one to fit your budget too. Time is saved with automatic tuning, easy-

to-use software, LC/MS and negative ion options, library searching system and many more features.

THE NEW HP UV/VIS SPECTROPHOTOMETER

This powerful micro-computer-controlled HP 8450A provides full spectrum and multi-component analysis in seconds. It measures and displays the full spectrum on a CRT in one second—greatly reducing the time per analysis. Sample handling is simplified and sample preparation is minimized with this extremely productive unit.



HP LABORATORY AUTOMATION SYSTEMS



Our turnkey systems provide chromatographic software with sophisticated data reduction. They perform record keeping tasks and automate analytical

procedures to increase sample throughput. Flexibility and upgradability allow these systems to grow with your needs.

HP GRAPHIC INTEGRATORS

The microprocessor based HP 3388A Chromatography Automation System provides standard chromatographic calculations, BASIC programming, long-term data storage, and simultaneous dual-channel integration and control. Analyses can be completely automated and results customized to your needs.



HP COLUMNS AND ACCESSORIES



The new, flexible, fused silica column offers inertness, thermal stability and high efficiency for high resolution gas chromatography. Many analyses that were difficult or impossible on con-

ventional columns can be easily handled with this new column. Our complete stock of columns and accessories helps you obtain the best separation.

HP CUSTOMER SERVICE

Our worldwide network of factory-trained service specialists provides efficient maintenance and repair service. To decrease the downtime we provide parts, test equipment and service kits for HP instruments.

HP CUSTOMER TRAINING

In-depth training courses are offered for our analytical instruments. Operator courses contribute to the better utilization of your instruments. Application courses provide basic information in specific areas.

FOR MORE INFORMATION

about the many ways Hewlett-Packard can increase your analytical productivity, write to: Hewlett-Packard, 1507 Page Mill Road, Palo Alto, CA 94304. Or call the HP regional office nearest you: East (301) 258-2000, West (714) 870-1000, Midwest (312) 255-9800, South (404) 955-1500, Canada (416) 678-9430.



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