

# New Products

## FLOW METER

A new low-flow meter offered by Gems Sensors measures from 0 to 360 gallons per hour. Gems' Flow Ranger measures flow rates and totals in GPH with a maximal resolution of 0.01 gallon. Its unique positive displacement design provides long life and eliminates the need for gears and rotating vanes. Contact: Gems Sensors Division, Transamerica Delaval Inc., Plainville, CT 06062.

## FILTER PRODUCTS

New from Kalex Scientific is the Munktell Filter Products line of Analytical Filter Paper, Glass Fiber Filter Paper, Soxhlet Extraction Thimbles, Ultra-High Wet Strength Filter Paper and Cellulose Powders. Analytical Filter Papers are available in quantitative and qualitative grades, with filtering speeds from very slow to very fast. Glass Fiber Filter Paper is made from 100% borosilicate glass fibers; Soxhlet Extraction Thimbles are available in cellulose and glass fiber; Ultra-High Wet Strength Filter Paper is available in 10 grades from very slow to very high-speed papers. Contact: Kalex Scientific Co., Seven Mora Ct., Manhasset, NY 11030.

## REVERSED-PHASE SEPARATION TLC PLATES

Analtech has announced a new series of reversed phase separation TLC uniplates that offer a rapid, sensitive and economical means of "scouting" solvent systems for high pressure liquid chromatography. In addition to saving considerable amounts of solvent required in column chromatography, these plates also extend the life of expensive HPLC columns. The RPS Uniplates provide cost savings of 40% or more over bonded  $C_{18}$  reversed-phase TLC plates, yet yield comparable performance. Contact: Analtech Inc., 75 Blue Hen Dr., PO Box 7558, Newark, DE 19711.

## AUTOMATION SYSTEM

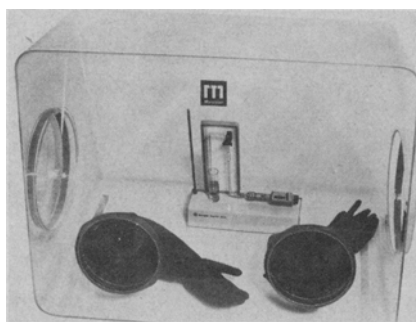
The Applied Research Laboratories Division of Bausch & Lomb now offers a new software-based automation system for use with its Scanning Electron Microprobe Quantometer (SEM-Q). The Qual-Semiquant system combines the speed and ease of use characteristic of energy dispersive (EDX) analytical methods with the detection limits, high resolution, and

light-element sensitivity characteristic of wavelength dispersive (WDX) electron microprobe analysis. Contact: Applied Research Laboratories, A Division of Bausch & Lomb, 9545 Wentworth St., Sunland, CA 91040.



## COMPUTER CONTROLLER FOR GAS CHROMATOGRAPH

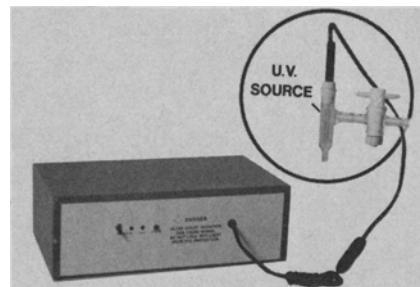
Hewlett Packard's HP 5880A gas chromatograph and HP-85 personal computer combine to provide a compact modular system with extended chromatographic computing power. The HP-85 features a five-inch CRT with graphics for customized reports, a total of four I/O slots, 32K bytes of programmable memory, and built-in tape drive with 210K bytes of on-line storage. The interface allows the HP-85 to receive, process and store data transmitted from the GC and provides remote capability for control of all chromatographic functions. Other interface capabilities include HP-IB expandability for the addition of a line printer, X-Y plotter or disc drive. Contact: Hewlett-Packard Co., 1507 Page Mill Rd., Palo Alto, CA 94304.



## GLOVE BOX

Manostat's economy glove box can be used as a dry box or as an environmental enclosure. This dust-proof unit is fabricated of 5/16-inch plexiglass for strength and complete visibility from all sides. Its two 12-inch side entries feature easily removable covers, and several units can be connected in a series as needed. Contact: Manostat

Corp., 519 Eighth Ave., New York, NY 10018.



## SPOUT STERILIZER

For the researcher who must store contaminant-free water under high purity conditions, Kontes has designed the Ultra Violet Spout Sterilizer. Kontes says that this device virtually eliminates bacterial growth from the dispensing outlet of water stills or storage vessels. The unit irradiates the product/atmosphere interface for 30 seconds every 30 minutes, eliminating bacterial growth from the interface area and preventing migration to the remainder of the storage vessel. Contact: Kontes, PO Box 729, Vineland, NJ 08360.



## DELTA-P INDICATORS

Orange Research's new Series 1000 miniature delta-P instruments for measuring differential pressure feature patented magnetic movement which isolates the pressure chamber from the gauge function without mechanical seals. Units are rated for up to 3,000 psig line service with delta ranges from 0-3 to 0-50 psid. Three models are available: dial indicator model; rising color sleeve model; and switch model with either a 1A/50W SPST for a 0.3A/3W SPDT reed control switch. Contact: Orange Research Inc., 140 Cascade Blvd., Milford, CT 06460.

## FLATBED RECORDER

Model 1101 is a miniature, single-channel flatbed recorder from Linear Instruments. Features: 12 input spans

(1 mV to 5 V), 16 chart speeds, 0.4-second, full-scale response time, overall limit of error or less than  $\pm 0.5\%$ , electronic override event marker, remote chart drive programming, patented Pulse Modulated Servo for extreme accuracy and high resolution of even low signal levels, automatic shutdown for overrange protection, and manual chart rewind for overlay or parallel runs. Contact: Linear Instruments Corp., PO Box 16339, Irvine, CA 92713.



#### TEMPERATURE RECORDER/ALARM

Markson Science has combined the features of a thermometer, temperature recorder, and time/temperature alarm in a single unit. Computemp II alternately displays the time and current indoor and outdoor temperature in degrees C or F. The unit can display an LED readout of the day's high and low temperatures, noting the exact time each occurred. The alarm sounds when the temperature in the lab, refrigerator, or other sensitive area reaches a preselected temperature setting. Contact: Markson Science Inc., PO Box 767, Del Mar, CA 92014.

#### LIQUID LEVEL METER

Krohne-America's new remote-read and control liquid level meter combines its magnetically coupled liquid level meter with state-of-the-art electronics to provide measurement accuracy of up to 0.5% of full scale, depending on range. The meter features an external analog readout and a high level/low level/fail alarm. Contact: Krohne-America Inc., 11 Dearborn Rd., Peabody, MA 01960.

#### CARBOHYDRATE ANALYSIS KIT

The Partisol 10 Carbohydrate Kit from Whatman Chemical Separation provides a complete system for analyzing carbohydrates. According to Whatman, the kit enables a unique separation of all carbohydrate types—mono-, di-, and oligosaccharides. The system includes a prepacked analytical column, a solvent preconditioning column designed to prevent silica gel dissolution and bed subsidence, and a recommended mobile phase. Contact: Robert Snyder, RS Design, 360 S. Maple Ave., Glen Rock, NJ 07452.

#### PRESSURE GAUGE

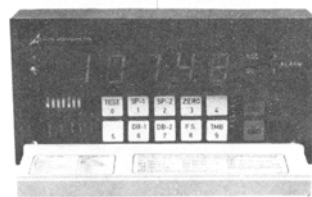
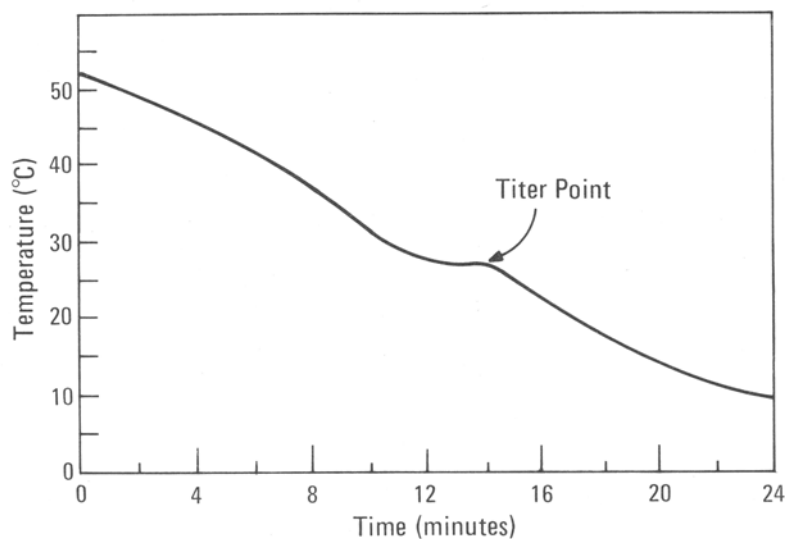
Pressure Applications offers a new, handheld digital pressure gauge for measuring pressure of noncorrosive fluids and gases. Features include remote, interchangeable pressure sensors for 20 or 200 PSI with standard 1/8" NPT thread, a liquid crystal display, and 9V alkaline battery power for portability. Contact: Pressure Applications, 2478 Briarwood Dr., San Jose, CA 95125.

#### NEW PRODUCT LITERATURE

An eight-page applications handbook detailing chemical resistance and per-

formance properties of Corning disposable centrifuge tubes is available from Corning Medical and Scientific, MS-21510, Corning Glass Works, Corning, NY 14831. . . . **Chelating Agents in Oxidation-Reduction Reactions** is a technical bulletin available from Organic Chemicals Division, W.R. Grace & Co., Poisson Ave., Nashua, NH 03061, which describes the use and specific applications of EDTA-type chelating agents as an oxidation-reduction system. . . . Two bulletins from Arizona Chemical Co., Wayne, NJ 07470, present technical information on Acintol tall oil products: **Bulletin 310** covers recommendations

## Automatic Titer Point Measurement



The microprocessor-based VIP521-PCM is specially programmed for virtually automatic Titer Point measurement. It senses the rate of change of temperature at the beginning of a sample run. Then, when the rate-of-change reaches zero, the 521 switches to a peak-hold mode to store and digitally display the Titer temperature. A relay contact closure is also provided when Titer Point is reached. Let Visipak's speed and efficiency put you a step ahead in Titer Point measurement. Call or write for a Data Sheet today.

**action instruments co.,inc.**  
8601 Aero Drive San Diego, CA 92123 USA  
Twx: 910-335-2030 Phone: (714) 279-5726

## NEW AOCS STAFF POSITION

# Director of Methods Development

- BASIC DUTIES:**
- Energetically interpreting, organizing and coordinating an expanded program to revise and maintain the book of AOCS Official and Tentative Methods.
  - Formulating a plan to ensure the continued collection, evaluation, and publication of analytical methods of interest to AOCS.
  - Maintaining technical liaison with other individuals and groups interested in the development of analytical methodology.
  - Coordinating through the AOCS Uniform Methods Committee the efforts of Society technical committees to evaluate and update methodology.

**SUPERVISION:** Reports to the Executive Director and the Scientific Advisory Committee.

**QUALIFICATIONS:** A self starter with advanced education and experience in analytical chemistry including fats and oils and their derivatives. Experience in the development and/or application of analytical methodology. Exceptional skills in written and oral communication. Ability to work with widely divergent groups.

**SEND COMPLETE** Resume, including salary history and writing sample to:

Search Committee  
c/o E.G. Perkins, Chairman  
508 S. Sixth St.  
Champaign, IL 61820

for shipping, storing, and handling equipment and **Bulletin 311** details methods of analysis used for Acintol products. . . . A new, single-range conductivity controller for water purity applications is described in **Catalog Sheet WP-10**, available from Beckman Instruments Inc., Cedar Grove Operations, 89 Commerce Rd., Cedar Grove, NJ 07009. . . . Now available from Analabs, a unit of Foxboro Analytical, 80 Republic Dr., North Haven, CT 06473, is the 175-page 1981 edition of the **Chromatography Chemicals and Accessories Catalog** detailing its line of chemicals, accessories, and equipment for use in gas, liquid, and thin layer chromatography studies. . . . A booklet describing jet mixing of liquids and gases, its applications and its economy is offered by Aerocleve-Pentech, 925 Westchester Ave., White Plains, NY 10604. . . . A comprehensive bibliography of analytical pyrolysis has been published by Chemical Data Systems Inc., 7000 Limestone Rd., Oxford, PA 19363. . . . **LKB Consumables: Research Tools for Chromatography, Electrofusing, Electrophoresis, and Cell Biology** is a 24-page product catalog and research guide available from LKB Instruments Inc., 12221 Parklawn Dr., Rockville, MD 20852. . . . Two refrigerated portable Ultrasonic Vapor Degreasers, Models V47 and V50, are highlighted in an information sheet from Heat Systems-Ultrasonics Inc., 38 East Mall, Plainview, NY 11803. . . . A booklet entitled **Cartridge Filtration Guide: A Technical Guide to Better Filtration** describes the types, uses, costs, and maintenance aspects of cartridge filtration systems and can be requested from Filterite, 2033 Greenspring Dr., Timonium, MD 21093. . . . Vacuum equipment and its use in moving chemicals and other liquid materials is the topic of a 24-page booklet entitled **Vacuum Pumps in the Vacuum Truck Industry**, available from Masport Inc., 6210 N. 56th St., Lincoln, NE 68508. . . . A brochure describing special chemical product lines will be sent upon request from Glyco, PO Box 700, 51 Weaver St., Greenwich, CT 06830. . . . A capabilities brochure describing the engineering and production facilities available for custom design and manufacture of OEM components may be ordered from Kontes, PO Box 729, Vineland, NJ 08360. . . . A wall chart containing information on 100 commonly used potentially hazardous chemicals can be obtained free by requesting the **Chromatographic Column Selection Guide for the Century OVA** from Foxboro Analytical, A Division of the Foxboro Co., PO Box 5449, 140 Water St., South Norwalk, CT 06856. □