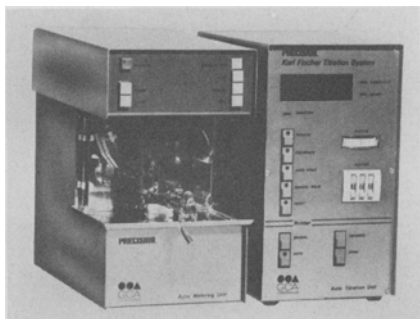


New Products



TITRATOR

A new automatic Karl Fischer titrator for measuring water content in oils and fats, foodstuffs, chemicals, paints, cosmetics, and other liquids and solids is available from GCA-Precision Scientific Group. The GCA titrator combines solid state electronics with a controlled-release metering pump in a two-component modular system. The unit reads up to 999.9 mg of water to the nearest 0.1 mg. At 10 mg water, system accuracy is ± 1.2 percent; above 50 mg, accuracy increases to ± 0.3 percent. Contact: GCA/Precision Scientific Group, 3737 W. Cortland St., Chicago, IL 60647.



FLOW SWITCH

Gems Sensors Division's FS-5 series flow switches, constructed of polysulfone, are designed for monitoring flow where wetted parts must be non-metallic. Switches are available with flow settings from 0.1 to 0.75 gpm and can withstand temperatures to 225 F and pressures to 700 psig. Contact: Gems Sensors Div., Transamerica Delaval Inc., Plainville, CT 06062.

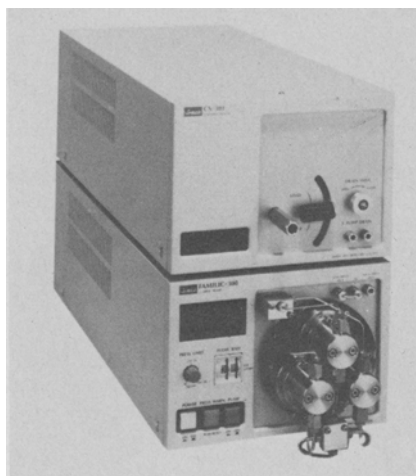
FREEZE DRYER

Labconco Corp. offers a freeze dryer for laboratories handling materials for

lyophilization. Adaptable to a variety of freeze drying techniques, it has a condenser with an ice-holding capacity of five liters and can process two liters at one time. The refrigeration system cools the stainless steel condenser to 54 C (-65 F) in less than 20 minutes. Features include a chemical resistant surface, complete mobility, and a gauge with a permanently fused scale connected to a fiberglass filled filter to prevent back flow of contaminants. Contact: Labconco Corp., 8811 Prospect, Kansas City, MO 64132.

LEVEL MEASURING SYSTEM

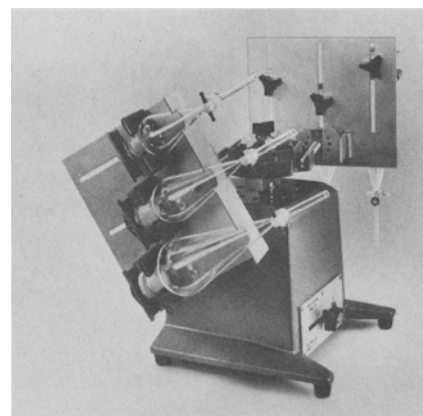
Process Instruments, a division of Lee Industries Inc., has a microcomputer-controlled level measuring system for inventory control in the food, pharmaceutical, cosmetic, agricultural and chemical industries. The system utilizes an ultrasonic ranging technique to measure the level of liquids and solids stored in open- or closed-top tanks and vessels and to measure and locate liquid and solid interfaces. With a self-calibrating transducer, the system continuously corrects for transmission media density changes that occur with temperature, pressure and humidity changes. Contact: Lee Industries Inc., Process Instruments Div., PO Box 480, Port Matilda, PA 16870.



PUMP AND FLOW CELL

Jasco's Familic-300 operating pump and flow cell for HPLC offers variable delivery from 10 to 1000 microliters in 10 microliter steps, and pressures to 500 kg/cm². Features include an automatic shutoff overpressure switch. High sensitivity measurements can be made with a small flow cell of 3 mm

path length. The cell can be directly illuminated with a detector, providing special data, or the sample can be directly fed into a separate, high-pressure chromatography unit. Contact: Jasco Inc., 218 Bay St., Easton, MD 21601.



SHAKER SHOCKER

Kraft Apparatus Inc. says its 2.27 kg-capacity "shaker shocker" enables better mixing and extraction of glassware contents, especially hard-to-mix solutions. The unit's head oscillates between two resilient members to provide additional impact at the end of each stroke. Heads are available to hold a variety of glassware, such as separatory funnels, bottles, test tubes and gallon jugs. Contact: Kraft Apparatus Inc., 402 Sagamore Ave., Mineola, NY 11501.

GAS CHROMATOGRAPH

Hewlett-Packard's HP 5790A gas chromatograph features a push button controller that permits the operator to select and modify analysis parameters. The unit's oven-within-an-oven design accommodates fused silica capillary columns for accurate thermal control. Oven performance is enhanced by a retention time reproducibility of ± 0.005 minutes, proportionally controlled intake and exit vents, and temperature programming with 0.1 C resolution. The chromatograph offers a choice of three injection systems for various analyses and can be interfaced to recorders, integrators, and data systems. Contact: Hewlett-Packard Co., 3000 Hanover St., Palo Alto, CA 94304.