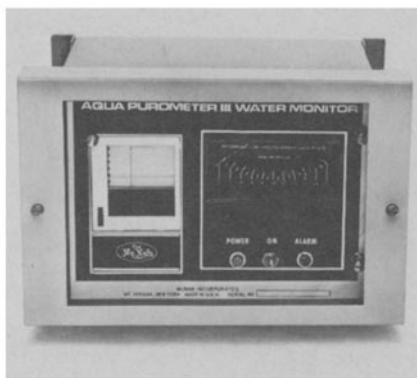


# New Products



## MULTI-FUNCTION FLUID MONITOR

McNab Inc. has introduced an all-solid state integrated circuit unit as one of its Aqua-Purometer III family of fluid monitors. AP III, a multi-function monitor, is designed to meet or exceed current regulatory agency requirements for pH, specific ion, or conductivity measurements. Contact: McNab Inc., 20 North MacQuesten Parkway, Mt. Vernon, NY 10550.



## SLIM-LINE PORTABLE COLORIMETERS

Markson Science has introduced two Slim-Line Portable Colorimeters, Models 286 and 288. The solid-state, battery-operated colorimeters feature eight selectable, narrow-band wavelengths in the 350 and 660 nm spectral range, and a universal sample holder for round tubes and rectangular cuvettes. Model 286 features a 6" analog display while Model 288 offers liquid crystal display. Both give a read-out in percent transmittance from 0 to 100. Contact: Markson Science Inc., PO Box 767, Del Mar, CA 92014.

## AUTOMATED LIQUID CHROMATOGRAPHY SYSTEM

LC/934 Automated Liquid Chromatography System designed by IBM Instruments combines a chromatograph and advanced computer. The chromatograph features a pulse-free pump, ternary gradient capability and a variety of sensitive detectors while the computer system includes a keypad for control of the chromatograph and application software. Up to four IBM liquid chromatographs can be controlled with the chromatography applications program. In addition to chromatographic applications, the computer system can also be used to perform other computer functions for laboratory management. Contact: IBM Instruments Inc., Orchard Park, PO Box 332, Danbury, CT 06810.



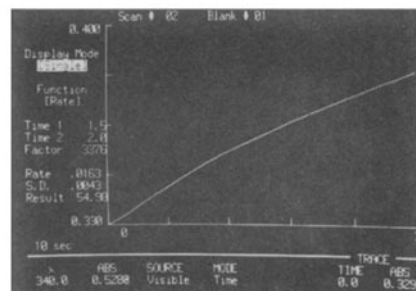
## MERCURY ABSORPTION FILTERS

A series of in-line disposable mercury absorption filters for use with vacuum pumps pulling vacuum for mercury manometers is now offered by Koby Inc. The Koby Activated Carbon Mercury Absorption Filters are designed to reduce mercury vapor discharge from 1500 up/m<sup>3</sup> to 10 up/m<sup>3</sup>. They are available in 3" diameter sizes in four lengths from 4 1/4" to 9", with 1/4" and 1/2" male brass NPT fittings. Contact: Koby Inc., Herbert Johnson III, 297 Lincoln St., Marlboro, MA 01752.

## DIGITAL OXYGEN ANALYZER

Neutronics Inc. is offering a new portable Digital Oxygen Analyzer with adaptation hardware enabling the user to design the instrument for specific needs. Equipped with an electro-

chemical sensor, the instrument reads oxygen in the 0 to 35% range with a 0.1% resolution. Contact: Neutronics Inc., 450 Drew Court, King of Prussia, PA 19406.



## SPECTROPHOTOMETER ACCESSORY

The Du-7 Kinetics Accessory available from Beckman Instruments Inc. is designed to provide instant analysis of enzyme kinetics for biomedical research. The accessory used with the DU-7 UV/vis Computing Spectrophotometer from Beckman performs as many as 20 readings per second on kinetics analyses and prints out final answers on an integral video display. It calculates rate using linear regression and works for both zero and first-order kinetics. Contact: Beckman Instruments Inc., Scientific Instruments Division, Box C-19600, Campus Drive at Jamboree Blvd., Irvine, CA 92713.

## SPECTROGARD COLOR SYSTEM

Pacific Scientific Company is offering a new Spectrogard Color System which operates both as a colorimeter and a spectrophotometer. The system offers multiple color scales, illuminants and indices, nonsymmetrical tolerancing, delta tab plot, spectral display and spectral data at 10 nm intervals. The video display features user prompting and displays tristimulus colorimetric information and spectral data. The system measures transmittance and reflectance of samples as well as spectrum from 380-720 nm. Contact: Pacific Scientific Company, Gardner/Neotec Instrument Division, Silver Spring, MD 20910.

## CALIBRATION BATH SYSTEM

Model CB-7400 designed by Techne

Incorporated is a new calibration bath system employing two baths—a dry powder fluidized bath for high temperature measurements and a refrigerated bath for low temperature measurements. The hot bath has a working volume of 6.5 inches diameter and 16 inches deep; the cold liquid bath has a working volume of 5 inches diameter and 15 inches deep. A control panel provides access to flow meters to regulate the air supply to the fluidized bath and dust extraction system, a temperature control unit for setting the temperature in the two baths and switches for operating the main power and the cooling system. Contact: Techne Incorporated, 3700 Brunswick Pike, Princeton, NJ 08540.

### LABORATORY STEAMWASHER

Labconco's new Laboratory SteamWasher features SteamAction cleaning to penetrate and loosen residue on labware. SteamAction continues until glassware reaches a temperature of 174 F and is available on short, normal and full washing cycles, with 27 potential cycle variations available. The SteamWasher also offers a distilled water rinse option. Racks and inserts to accommodate a variety of labware shapes and sizes are available. Contact: Labconco Corporation, 8811 Prospect, Kansas City, MO 64132.

### PNEUMATIC INTERFACE LEVEL ALARM

A pneumatic interface level alarm to throttle valves and sound alarms has been designed by Linc Manufacturing. Called the Model PT265-03, the level alarm operates when upper fluid has a gravity of .870 or less and the lower fluid gravity is .970 or more. The displacer senses the level of the interface and magnetically operates a pneumatic actuator. The control output is either a 3- to 15-psi throttling pneumatic signal or a snap-acting pneumatic actuator output. The body of Model PT265-03 is made of 316 stainless steel while the displacer is available in either polypropylene or stainless steel. Standard working pressure is 1,500 psi. Contact: Linc Manufacturing, PO Drawer 788, Porter, TX 77365.

### MARGARINES AND SHORTENINGS

ADM Refined Oils has introduced a new line of premium margarines, shortenings and oils under the brand name "Superb." ADM Superb Bakers Margarine and "Superb" Bakers Short-

ening are packed in 50-pound cubes. The margarine is made from premium partially hydrogenated soybean and cottonseed oils formulated with cultured nonfat milk, salt, mono and diglycerides, lecithin, rich buttery flavors and is available colored and uncolored. It is designed for use in sweet goods, danish pastry, breads, dinner rolls, cookies, cakes, icings and fillings. The hydrogenated shortening is made of selected soybean and cottonseed oils, cultured skim milk, mono and diglycerides and salt. It is suited for cakes, icings, rolls, sweet goods and breads. Contact: Jerry DeLatte, sales manager, ADM Refined Oils, Archer Daniels Midland Company, Box 1470, Decatur, IL 62525.



### EMULSION QUALITY ANALYZER

An emulsion quality analysis instrument, the EQA, is now available from Gaulin Corporation. It is designed to analyze fat or oil particle size in a wide range of homogenized products, both during processing and before the product leaves the plant. The portable EQA monitors the emulsion quality of such products as flavor emulsions, silicone or vegetable oil emulsions, cocktail mixes, cream soup bases, infant formulas, most dairy products and similar oil or fat-in-water emulsions. The EQA weighs seven pounds and measures 10" by 9" by 7". Contact: Allen A. Andrews, Marketing Communications Manager, Gaulin Corporation, Garden Street, Everett, MA 02149.

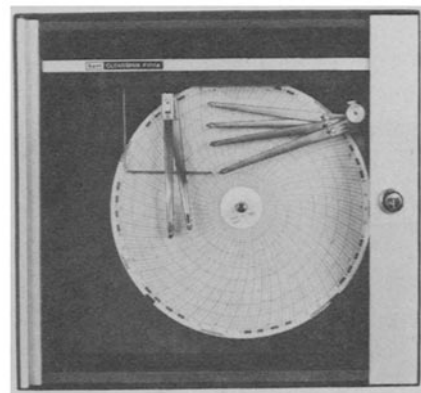
### ULTRASONIC LEVEL TRANSMITTER

Fischer & Porter Co. has designed a new ultrasonic transmitter for applications requiring accurate level measurements of liquids and solids in all types of vessels and tanks. The Series 50US2000 Ultrasonic Level Transmitter, which detects levels up to 33 feet, is composed of a transmitter

providing a 4-20 mA DC output signal and a transponder unit. Output accuracy varies with span from  $\pm 1.0\%$  at a span of two feet, to  $\pm 0.6\%$  at 33 feet. State of the art design incorporates digital electronic circuitry controlled by an integral microprocessor. Contact: Fischer & Porter Co., 642 County Line Rd., Warminster, PA 18974.

### MINIATURE TEMPERATURE RECORDERS

Wahl Instruments has designed miniature self-adhesive temperature recorders for installation where other recording instruments prove impractical. As the decal-style instrument's pearl grey indicator is exposed to heat exceeding its calibrated temperature, it turns permanently black. Ranges are available from 100 to 350 F or 37 to 182 C. The Temp Plate recorders were developed for design and testing of miniaturized electrical and electronic components and for thermal evaluation in chemical, food, plastics, metals and petroleum processing. Contact: Temp-Plate Division, Wahl Instruments, 5750 Hannum Ave., Culver City, CA 90230.



### CIRCULAR CHART POTENTIOMETRIC RECORDER

A new 10-inch circular chart potentiometric recorder offered by Kent Process Control Inc. features a non-contact photoelectric detector and high and low alarm contacts on each of two pens. The Clearspan P105A has reflective noncontact sensors linked to the setting pointers which switch the drive circuit to a change-over relay. Relay action can be selected to either energize above or below set point. Contact: Kent Process Control Inc., 165 Fieldcrest Ave., Raritan Center, Edison, NJ 08837.

**NEW PRODUCT LITERATURE**

LaPine Scientific Company, 6001 South Knox Ave., Chicago, IL 60629, has published a 488-page 1982-83 **Laboratory Supply Handbook** outlining its equipment. . . . A brochure, **Custom and Standard TFE Parts**, describing custom TFE gaskets, O-rings, valve parts and other basic shapes is available from the Chicago Gasket Company, 4711 Golf Rd., Skokie, IL 60076. . . . Injection molded Teflon PFA fittings are described in literature offered by the Process Systems Division of Fluorocarbon Company, 27611 La Paz Rd., Laguna Niguel, CA 92677. . . . A full-line ball valve brochure describing Nibco products is available from Nibco, 500 Simpson Ave., PO Box 1167, Elkhart, IN 46515. . . . Crest Ultrasonics Corporation, PO Box 7266, Trenton, NJ 08268, has issued a product guide, "Sterile" is not "Clean," covering systems for cleaning lab glassware. . . . A 128-page handbook, **Bulletin 7709:**

**The Beckman Handbook of Applied Electrochemistry**, describes specifications and applications of products for pH and oxygen analysis. It is available from Beckman Scientific Instruments Division, PO Box C-19600, Irvine, CA 92713. . . . Fluorescence detectors for HPLC, including a spectrofluorometer and filter fluorometer, are described in a six-page brochure from Kratos Analytical Instruments, 24 Booker St., Westwood, NJ 07675. . . . A bulletin, **Organics Reagents**, listing over 350 reagents for laboratory use has been published by Fisher Scientific Co., 711 Forbes Ave., Pittsburgh, PA 15219. . . . Advanced Valve & Composites Operations, Dresser Manufacturing Division, PO Box 419, Alliance, Ohio 44601, has published a new guide entitled **Corrosion Resistance Guide: Advanced Valve Materials**. . . . Columbia Scientific Industries Corporation, PO Box 9908, Austin, TX 78766, has published a catalog describing analytical instrumentation aimed

at assuring the quality and safety of the environment. . . . A 12-page catalog featuring Labindustries' positive displacement micropipettors is available from Labindustries, 620 Hearst Ave., Berkeley, CA 94710. . . . Oversized Hippo Drums are detailed in a four-page catalog from Cardiff Industries Inc., 80 Front St., Scituate, MA 02066. . . . Acetylacetonates are detailed in a series of bulletins from The Harshaw Chemical Company, 1945 East 97th St., Cleveland, OH 44106. . . . CVC Products Inc., 525 Lee Road, PO Box 1886, Rochester, NY 14603, offers a 16-page bulletin describing its high vacuum valves and baffles. . . . Low cost infrared spectroscopy with ratio recording, particularly the performance capabilities of Perkin-Elmer's new Model 1420 and 1430 infrared spectrophotometers, is described in a 12-page brochure, order no. L-727, published by the Perkin-Elmer Corporation, Main Avenue, Mail Station 12, Norwalk, CT 06856.

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