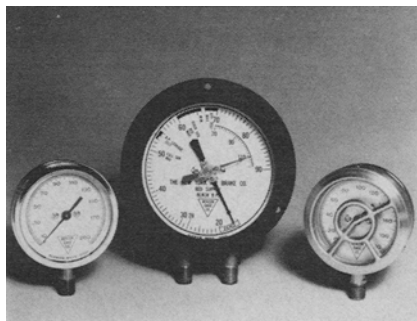

New Products

HOLLOW CATHODE LAMPS

Instrumentation Laboratory has developed Visimax hollow cathode lamps that serve as emission sources for atomic absorption spectroscopy. The lamps, available in single-element and multi-element versions, fit all currently available atomic absorption spectrophotometers. According to the company, the lamps are distinguished by very high brightness, stability and quick warm-up. Contact: Instrumentation Laboratory, Analytical Instrument Division, Wilmington, MA 01887.

CLOSED TANK GAUGING SYSTEM

Developed to provide precise measurement of volatile chemicals and minimum exposure to toxic fumes and loss of valuable vapors, the Marine Moisture Control Company's Closed Tank Portable Gauging System is designed for use in the petroleum, chemical and petrochemical industries. The system consists of vapor control valves in four individual configurations, and portable gauging tapes which are capable of: reading a tank's contents and temperature; providing a gas seal to prevent the escape of inert gas and dangerous vapors; and providing a fixed datum reference. Contact: Marine Moisture Control Co. Inc., 449 Sheridan Blvd., Inwood, NY 11696.

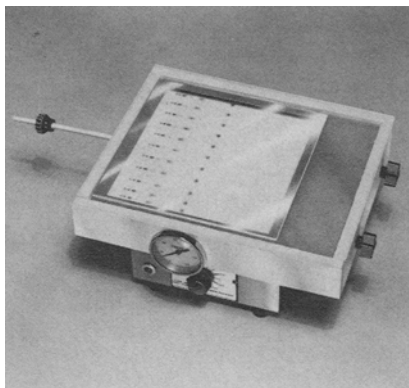


BEACON TEST GAUGES

The Beacon Gauge Division of the Sycon Corporation has introduced a new line of test gauges. Designed for use in critical production, inspection or testing procedures, the gauges are available in standard or custom-designed models, in single pointer and duplex models, and in sizes from 3 to 6 inches. Contact: Beacon Gauge Division, Sycon Corp., 959 Cheney Ave., Marion, OH 43302.

HEAT TRANSFER ASSEMBLY

A new series of factory-piped and manifolded heat transfer panels for immersion applications in a reactor is now offered by Dean Products Inc. The assembly consists of a number of panels, an input and output circular manifold, and intermediate piping, all in stainless steel. The units are available in a variety of sizes and construction materials, in addition to stainless steel. Contact: Dean Products Inc., 985 Dean St., Brooklyn, NY 11238.



HEAT-FIXING CHAMBER

Analtech Inc. has developed its VPF Visualization Chamber to permit heating of thin layer chromatographic plates so that heat-fixed spots can be read later. Because heat-fixed fluorescent TLC spots seldom deteriorate, the chamber allows TLC plates to be stored indefinitely after processing, then read all at one time. Contact: Analtech Inc., 75 Blue Hen Dr., Newark, DE 19711.

BOTTLED HYDROGEN PURIFIER

Commercial grade hydrogen gas can be converted into a 99.9999% pure grade with the use of a portable hydrogen purifier developed by Gas Technologies Inc., that firm says. Several sizes are available; the standard model yields 30 liters per hour. Designed for use with gas chromatographs, flame ionization detectors, spectrometers and for processing applications, the purifier accepts impure hydrogen gas into a chamber that houses a hot palladium alloy tube. Since only hydrogen and its isotopes can pass through the palladium, ultra pure hydrogen gas is assured, according to the company. Contact: Gas Technologies Inc., Division of Betadyne Corporation, 22 Park Place, New York, NY 10007.

NATURAL CAROTENE

Atomergic Chemetals Corp. offers a natural carotene for users in the food, cosmetic and pharmaceutical fields. Carotene Standard RR is a blend of natural carotenes primarily in the *trans* form, which the firm says is more resistant to light and oxidative agents than synthetic carotenes. Drawn from different vegetable sources, it is a thick, red paste containing not less than 11.5% carotenes. Contact: Atomergic Chemetals Corp., 100 Fairchild Ave., Plainview, NY 11803.

WATER TEST SYSTEM

Beckman Instruments Inc. is distributing the Whatman three-piece filtering system, consisting of a tunnel and reservoir made from borosilicate glass plus a clear acrylic filter plate. Available in four sizes, the system is designed to monitor suspended solids in water supplies rapidly. It features positive filter clamping to ensure that retained solids are deposited within the filter circle. Contact: Beckman Instruments Inc., Science Essentials Operations, PO Box 6100, Anaheim, CA 92806.

VACUUM PUMP PACKAGE

A new water-sealed vacuum pump package has been introduced by Roots Blower Operation of Dresser Industries Inc. It produces vacuums to 24" Hg and flows to 2552 CFM and is equipped with vacuum blower, silencer/separator, v-belt guard and weather-proof controls. Contact: Roots Blower Operation, Dresser Industries Inc., 900 W. Mount St., Connersville, IN 47331.

HUMIDITY SENSOR

Phys-Chemical Research Corporation has introduced its Model B Digital Humeter for the direct measurement of relative humidity. Suited for a broad range of industrial and research applications, the instrument comes with a rapid response probe, a relative humidity sensor, an integrated circuit temperature compensating sensor and an output jack providing a linear analog signal. Contact: Phys-Chemical Research Corp., 36 W. 20th St., New York, NY 10011.

REAGENT DISPENSERS

Labindustries has introduced the Repipet Jr. fixed-volume calibratable reagent dispenser. Available in 13 sizes from 0.1 ml to 10 ml, the plastic dispenser can be calibrated with a new scale and locking adjustment. The dis-

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dispensers are suited to a wide range of noncorrosive reagents, including aqueous solutions, dilute acids and unhydrolyzed proteins. Contact: Lab Industries, 620 Hearst Ave., Berkeley, CA 94710.



NEW pH PROBE

A pH probe constructed without glass and fluid filling is being marketed by McNab Inc. The MC-11 solid-state probe withstands subfreezing temperatures, as well as temperatures exceeding 300 F as long as the test fluid produces hydrogen ions, according to the company. The probe, which has metallic elements and threaded plastic housing, also resists impact in thick slurries or in fluids carrying solid chunks. Contact: McNab Inc., 20 N. MacQuesten Parkway, Mt. Vernon, NY 10550.

THERMAL ANALYSIS COMPUTER

A Thermal Analysis Data Station (TADS) developed by Perkin-Elmer, has been designed for use with the company's thermal analysis instrumentation. It can also be used as a stand-alone computer. The TADS is programmable in BASIC and features a cathode ray tube on which formatting functions and data analysis are performed, a printer/plotter, and floppy disk storage for future recall and continued data analysis. Contact: Perkin-Elmer Corp., Main Avenue, Mail Station 12, Norwalk, CT 06856.

METER FOR HAZARDOUS VAPORS

The Model 910 organic vapor meter, introduced by Analytical Instrument Development Inc., is designed for in-plant measurement of potentially hazardous organic vapors. The monitor can measure concentrations from .1 ppm to 2000 ppm, with a benzene standard reference. The Model 910 uses a photoionization principle of detection and can serve as a safety alert in a work area where the hazardous limit has been exceeded. Contact: Analytical Instrument Development Inc., Route 41 & Newark Road, Avondale, PA 19311.

CHELATING AGENTS

Two food-grade chelating agents, Versene CA and Versene NA, have been developed by Dow Chemical. The

agents control the discoloration, deterioration of texture and the development of precipitates when trace metals react with some organic and inorganic components in food. The products have applications in the production of alcoholic and carbonated beverages, dressings and sauces, canned seafood, legumes and pickled vegetables. Contact: Dow Chemical U.S.A., Plastics Dept., Form No. 298-738-80, 2040 Dow Center, Midland, MI 48640.

MOISTURE ANALYZER

Ionics Inc. has added the Model 3250 Moisture Analyzer to its DigiChem 3000 Programmable Chemical Analyzer family. The new Model 3250 continuously monitors moisture in organic acids, alcohols, ethers and aromatic compounds and provides alarm indication or control signals to maintain product specifications. Contact: R. Bruce Thayer, Marketing Manager, Ionics Inc., Instrument Division, 65 Grove St., Watertown, MA 02172.

CHROMIC SULFURIC MIX

Chomerge is a product developed by Namostat to make chromic sulfuric solution. This liquid product contains chromium trioxide and mixes easily with sulfuric acid. Tests of Chomerge show that it is well within OSHA safety standards. Contact: Manostat Corporation, 519 Eighth Avenue, New York, NY 10018.

NEW PRODUCT LITERATURE

Kontes/Martin, 1916 Greenleaf St., Evanston, IL 60204, has published a new distillation systems catalog which features production or analytical scale distillation systems, components and solid state control modules... Edmund Scientific Co., 7082 Edscorp Bldg., Barrington, NJ 08007, has released its 1980 fall/winter catalog describing over 4,000 science-related products... Fotodyne Inc., 16229 W. Ryerson Rd., PO Box 183, New Berlin, WI 53151, has a new catalog highlighting the firm's line of systems and supplies for TLC and photographic documentation... Frick Company, 345 W. Main St., Waynesboro, PA 17268, has a brochure describing its refrigeration systems for the process industries, including chemical processing... Lux Scientific Instrument Corp., 519 Eighth Ave., New York, NY 10018, has released a 32-page catalog of specialty laboratory items including thermoregulators, timers, dispensers, pumps, gas detector tubes and miscellaneous lab aids... Sadtler Research Laboratories, 3316 Spring Garden St., Philadelphia, PA 19104, has published a brochure on its CIRA 101 chromatographic infrared analyzer.