

New Products

COLORIMETER SYSTEM

Gardner Laboratory Division, Pacific Scientific Company, has designed a new tristimulus colorimeter system, the XL-805. The colorimeter system features standard color scales and indices, plus digital data entry, instantaneous calibration, automatic zero compensation and nonvolatile memories. Contact: Reva Goldman, Advertising and Sales Promotion, Gardner Laboratory Division, Pacific Scientific Co., PO Box 5728, 5521 Landy Lane, Bethesda, MD 20014.

LIQUID LEVEL SWITCH

Fluid Products Co., Inc. has introduced a miniature (1 and 1/2-inch wide differential) liquid level switch. The unit contains two switches at each end of one guide tube; overall length is 3 and 1/2 inches. As liquid levels change, the magnetic float moves in the guide tube. The switches can be top, bottom or side mounted and can perform when tilted at modest angles. Contact: Chuck Carter, Fluid Products Company, 14590 Martin Dr., Eden Prairie, MN, 55344.

FOOD EMULSIFIER

A mono- and diglyceride emulsifier, Dur-lo, used for reducing the fat content in various food products has been introduced by Durkee Industrial Foods Group, SCM Corporation. Dur-lo is made from pure vegetable oil, is low in alpha/mono content and relatively high in diglyceride content. In imitation dairy products, Dur-lo can replace all the fat and emulsifier used in the product. Bakery manufacturers can use Dur-lo to reduce the fat used in cakes and dry mixes, leading to fewer calories and a reduced cost. Contact: Durkee Industrial Foods Group/SCM Corporation, 900 Union Commerce Bldg., Cleveland, OH 44115.

'HYDROSHEAR' FROM GAULIN

A new low-energy device for processing emulsions and dispersions has been developed by Gaulin Corporation. The Hydroshear features a fluid-shear processing chamber which contains no moving parts. It is presently available as a laboratory and pilot-plant processing tool and is furnished as a complete, ready-to-operate system. The Hydroshear also offers a two-gallon, stainless steel feed tank with temperature probe, continuous fingertip control of pump pressure and lighted digital readout

of operating pressure. Contact: Gaulin Corporation, Garden St., Everett, MA 02149.

DIRECT DRIVE PUMPS

A new line of single- and two-stage direct drive pumps is available from Edwards High Vacuum, Inc. The pumps have direct drive design and rotary vane operation and are protected against oil return in the event of pump stoppage. The pumps are intended for use in corrosive gas applications, chemical assignments, industrial vacuum coating and reactive sputtering, evacuation of insulating interspaces on cryogenic vessels and transfer lines and heat treatment/annealing areas of vacuum metallurgy. Contact: Edwards High Vacuum, Inc., 3279 Grand Island Blvd., Grand Island, NY 14072.

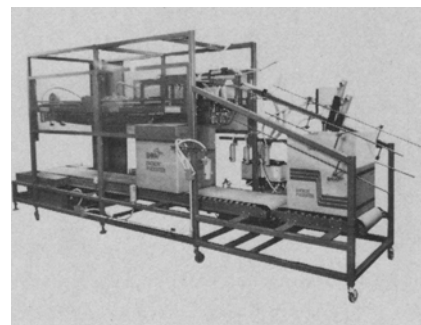


SLIDE HOLDER

The new Fisherbrand slide holder, introduced by Fisher Scientific Co., holds microscope slides in a stable, upright position at a 10° angle. The slide holder is made of white, non-porous, high-density polyethylene and is chemical- and stain-resistant. It can be washed or autoclaved and is available with 15- and 33-slide capacities. Contact: Fisher Scientific Co., 711 Forbes Ave., Pittsburgh, PA 15219; ask for Bulletin #533.

STABILIZER

TIC Gums, Inc. is marketing a new stabilizer which achieves long-term stability and creamy smooth texture for salad dressings, mustards, ketchups, barbeque sauces, taco sauces and cheese sauces. The firm says using 1/2% of the new Saladizer 228M, a typical French dressing will have a shelflife of more than 12 months without sacrificing eye-appeal or mouth feel. Contact: Steve Andon, TIC Gums, Inc., 144 E. 44th St., New York, NY 10017.



CASE SEALERS

The Automatic 1052 Series and the Semi-Automatic 1054 Series have been added to the Bemis Packaging Service Division of hot melt case sealers. The sealers combine the original Bemis cantilever design with new features which include a solid state (ATC) timer that quickly selects the adhesive pattern eliminating movement of switches and cams. Contact: Packaging Service Division, Bemis Company, Inc., 315-27th Ave. N.E., Minneapolis, MN 55418.

GLC COLUMNS

Whatman Chemical Separation Division has entered the Gas Liquid Chromatography market with its μ Partisorb GLC columns. The columns combine full integration of the micro-particle support and the liquid phase with a patented packing method. The firm says the combination results in GLC columns exhibiting column-to-column and lot-to-lot uniformity and chromatographic reproducibility. Contact: Whatman Chemical Separation Division, 9 Bridewell Place, Clifton, NJ 07014.

MAINTENANCE SYSTEM

Suntech, Inc., the research and engineering subsidiary of Sun Company, is offering an on-line preventive maintenance system. This Maintenance Schedule Control (MSC) system generates routed scheduling "cards" for each piece of plant equipment. Cards indicate inspection frequency, craft assignments, lubrication requirements and other preventive functions established by the user. The program allows complete control by plant maintenance personnel. Contact: Suntech, Inc., PO Box 1135, Marcus Hook, PA 19061.

DIGITAL POLARIMETER

Jasco Inc. is marketing a digital

polarimeter containing a microprocessor for speed and accuracy in repetitive computations. The unit, Model DIP-140, can provide optical rotation, specific rotation, sugar rate and concentration of turbid and high adsorption samples with accuracies of 0.002% up to 1° rotation and 0.2% for rotations above 1° according to the company. Contact: Jasco Inc., 218 Bay St., Easton, MD 21601.

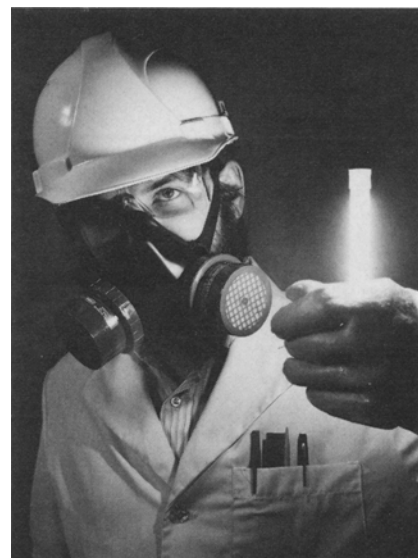
NEW ANALYZER

Leeds & Northrup has added Model 7991-2 to its line of Microtrac particle-size analyzers. The new analyzer provides 12 channels of distribution data for particles in a size range from

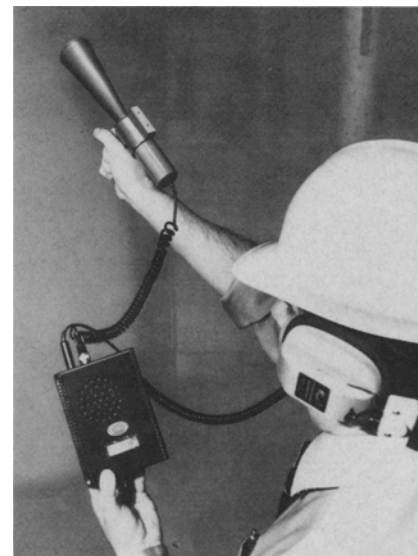
22 to 1000 microns. The instrument analyzes new samples every 50 seconds or the same sample as often as every 3 seconds. This newest model can be used in a wide variety of industries, processing products which require particle size analysis of materials such as chemicals, spices and pigments. Contact: Microtrac Division, Leeds & Northrup, 6950 Bryan Dairy Rd., Largo, FL 33543.

LIGHTSTICK

The Cyalume lightstick, developed by the American Cyanamid Co., is a light source known as "chemiluminescence" which converts the energy released in a chemical reaction directly to light



without heat or flame. Cyalume lightsticks are useful near all types of flammable and explosive materials, including chemicals, grain dust, coal dust and gases. When activated, the lightsticks emit a yellow-green glow; they last up to 12 hours and are wind proof, waterproof, and nontoxic. Contact: Clem W. Kohlman, American Cyanamid Co., Chemical Light Dept., Wayne, NJ 07470.



LEAK DETECTOR

James G. Biddle Co. has developed a lightweight, portable test set to locate electrical corona and leaks in pressure and vacuum systems. The test set converts and amplifies ultrasonic energy to the audible range and simultaneously displays output on a meter and sound through a speaker and headset. The ultrasonic detector features a detection horn with pistol-grip handle which can be aimed at safe distances from equipment being tested. Contact: James G. Biddle Co., Plymouth Meeting, PA 19462.

New Product Literature

Whatman Chemical Separation Division, 9 Bridewell Place, Clifton, NJ 07014, is offering **HPLC Reference List No. 1**, the first in a series of planned Reference Lists...Bas-Tex Corporation, PO Box 40082, Houston, TX 77040, has a brochure on double-pipe heat exchangers (**Bas-Tex Bulletin No. 20-1**)...Supelco, Inc., Supelco Park, Bellefonte, PA 16823, has developed a technical bulletin, **The Use of Guard Columns in HPLC, Their Selection and Installation** (Bulletin No. 781)...Flow Laboratories, Inc., Environmental Cultures Division, 1601 W. Orangewood Ave., Orange, CA 92668 has a data sheet describing its Type L DBC Plus dried bacterial cultures...C-E Natco, PO Box 1710, Tulsa, OK 74101 is offering a brochure describing water treatment systems which separate oils, gases and/or suspended solids from water...Fisher Scientific Co., 711 Forbes Ave., Pittsburgh, PA 15219 has an 8-page bulletin describing five types of Fisher Certified Buffers (**Fisher Bulletin No. 182C**)...Rochester Instrument Systems, Inc., 255 N. Union St., Rochester, NY 14605 has published a 22-page catalog, **Annunciator Selector 3100**, describing its AN-3100 annunciator line...Vitec Incorporated, 23645 Mercantile Rd., Cleveland, OH 44122 has a four-page brochure, **Safeguard Your Productivity**, which describes a machinery monitoring and alarm system (Bulletin No. 412560-16)...Varian MAT Mass Spectrometry, 25 Hanover Rd., Florham Park, NJ 07932 has a brochure which describes the Varian MAT 312 Mass Spectrometer System...A-B-C Packaging Machine Corporation, 811 Live

Oak St., Tarpon Springs, FL 33589 has a 4 1/2 page bulletin describing its Model APS-2 that assembles, loads and seals shipping cases...The PQ Corporation, PO Box 840, Valley Forge, PA 19482 has a bulletin, **Sodium Silicates: Versatile, Inorganic Adhesives**, which discusses the the PQ brand sodium silicates as adhesives (Bulletin No. 12-30)...Hemco Corporation, PO Box 210, Independence, MO 64051 is offering its new **Uniflow Fiberglass Laboratory Fume Hood Catalog** (No. 80-R5)...Kratos, Inc., Schoeffel Instrument Division, 24 Booker St., Westwood, NJ 07675 has published an eight-page brochure about the KLIC 1, an interactive controller for automated HPLC...Beckman Instruments, Inc., Technical Information Section, Process Instruments Division, 2500 Harbor Blvd., Fullerton, CA 92634 has a six-page brochure which illustrates its Model 715 Process Oxygen Monitor (**Beckman Bulletin No. 4091E**)...Milton Roy Company, Flow Control Division, 201 Ivyland Rd., Ivyland, PA 18974 has an eight-page booklet describing its mechanically-actuated diaphragm pump...CVC Products, Inc., 525 Lee Rd., PO Box 1886, Rochester, NY has released a 12-page brochure about its Superspec 600 Process Gas Analyzer Mass Spectrometer...Olin Corporation, Chemical Specialties Market Specialist, Dept. 2-E, 120 Long Ridge Rd., Stamford, CN 06904 has a six-page brochure, **Omagine Antimicrobials for Cosmetic Preservation**, which describes the properties and formulae of its antimicrobials...Aerocleve, Box CJ, 1075 Airport Rd., Fall River MA 02720 has published a guide to cost-effective wastewater aeration. □