

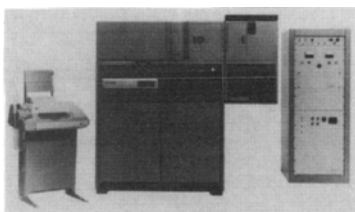
New Products



• Perkin-Elmer has developed its Model 650-10 high performance, high sensitivity fluorescence spectrometer. The instrument features ratio recording for high stability, optical design to provide increased energy at narrow spectral bandpass levels, and an easy-to-read digital display, the firm says. Information: Perkin-Elmer Corporation, Instrument Division, Main Avenue, Norwalk, CT 06856.



• Varian Associates has introduced its FT-80A NMR spectrometer which the firm says combines optimized performance for ^{13}C and ^1H with broadband capabilities offering convenient access to more than 50 nuclei. Information: Robert Sheldon, Dept. D-421, Varian Instrument Division, 611 Hansen Way, Palo Alto, CA 94303.

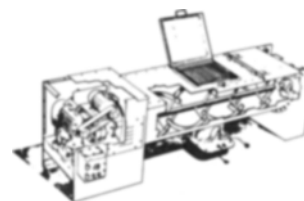


• Jarrell-Ash Division has announced development of its Mark III Plasma AtomComp, a third generation inductively coupled argon plasma spectrometer. The instrument incorporates use of the PDP-11 computer to control spectrometer and data management operation. Printed results for a 30-element analysis are available in one minute, the firm says. Details: Jarrell-Ash Division, Fisher Scientific Co., 711 Forbes Ave., Pittsburgh, PA 15219.

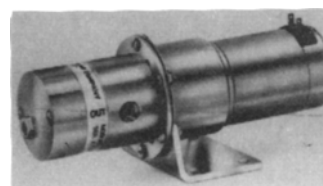


• Rigaku/USA Inc. has introduced its Rigaku Miniflex desktop recording X-ray diffraction system with a pre-

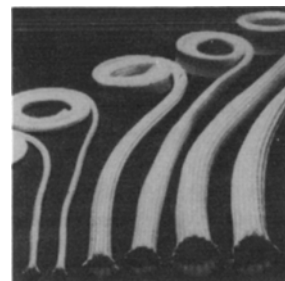
aligned wide angle goniometer. The unit includes the goniometer, X-ray generator, 100 mm strip chart records, and all related electronic components. Information: Rigaku/USA Inc., David G. Hempstead, 3 Electronics Ave., Danvers, MA 01923.



• Patterson-Kelley Co. is marketing its new P-K/Gardners Horizontal Mixer for mixing dry, damp, or sticky powders, granules, slurries, and semiliquids. The unit includes an interrupted spiral agitator for thorough mixing and balanced product movement. Details: Patterson-Kelley Co., East Stroudsburg, PA 18301.



• Tuthill Pump Co. has introduced its Model 9036 magnetically coupled gear pump driven by a 12 volt DC Pittman motor, with driving gears .250 in. wide. The pump is 6 in. x 2½ in. x 2½ in. and has a capacity of 30 gph. Details: Tuthill Pump Co. of California, 2935 Kerner Blvd., San Rafael, CA 94901.



• Santa Fe Textiles, Inc., is producing protective sleeving made from 3M Ceramic Fibers. The insulation, SF2600, protects against temperatures up to 2,600 F for extended periods and short term temperatures of 3,000 F. The material may be used to protect cables, wires, meshes, tubes, and hoses in high temperature environments. Information: Santa Fe Textiles Inc., 3151 W. Adams St., Santa Ana, CA 92704.

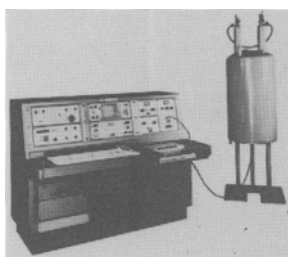
• Atlas Pumps has introduced its Model 400-C pump constructed in titanium for maximum corrosion resistance. The pump has a capacity of 20 gpm at 30 feet TDH and a shut-off head of 52 feet TDH. Information: Dept. RN, Atlas Pumps, 1703 East End Ave., Chicago Heights, IL 60411.



• Pope Scientific Co. is offering its Model 201 pH/Temp Meter for independent measurements of pH, temperatures, or millivolts. The unit may be operated on 115 VAC or on long lasting standby batteries for portability. Information: Pope Scientific Inc., N90 W14337 Commerce Drive, PO Box 495, Menomonee Falls, WI 53051.



• Labindustries has developed a nonglass, positive displacement micropipettor with disposable plastic precision tips which the firm says can handle any chemical reagent with extreme accuracy and precision. The calibration rod and adjustment tool are stored in the instrument handle. Information: Labindustries, 620 Hearst Ave., Berkeley, CA 94710.



• Bruker Instruments Inc. has introduced its Bruker CXP 200, a computer-controlled NMR spectrometer which the firm says has flexibility to perform foreground-background operations in multi-task projects in both liquid and solid NMR studies. Sample tubes up to 30 mm in diameter may be used. Information: Bruker Instruments Inc., Donald Ware, product manager, Manning Park, Billerica, MA 01821.

• Patterson-Kelley Co. has introduced its P-K System ReHeat plate exchanger system designed to recover up to 95% of heat from hot waste liquid. The exchangers are custom-designed, but utilize standard components, for use in food, soap, detergent and cosmetic plants. Information: Patterson-Kelley Co., division of Harsco Corp., E. Stroudsburg, PA 18301.

• Teledyne Hastings-Raydist has announced its new linear mass flowmeters with low pressure drop transducers, designed for measuring mass flow of gases in applications requiring minimum pressure drop. Details: Teledyne Hastings-Raydist, Hampton, VA 23661.

• H.F. Instruments is marketing a new range of turbidimeters, known as color correct sphere turbidimeters, that use the spherical method of measurements to monitor turbidity or suspended solid. They are available in a variety

of sensitivities and ranges. Details: H.F. Instruments, Division of Shaban Manufacturing Ltd., 186 E. Main St., Fredonia, NY 14063.

• Hedland Products Division has expanded its line of flow meters with a new series of 1/4 in. meters, plus a 50% increase in flow rates for its 1 1/4 in. meters. All handle pressures up to 3000 psi. Information: John W. Petersen, Hedland Products Division, Racine Federated Inc., 2200 South St., Racine, WI 53404.

• Chemapec Inc. has introduced its Vibro-Mixer, a reciprocating mixer driven electromagnetically. Mixers are available for mixing volumes from 1 to 50,000 liters and with a variety of stirring shafts for diverse applications. Details: Chemapec Inc., 230 Crossways Park Dr., Woodbury, NY 11797.

• Fluid-Data Inc. is marketing its Flo-Cal calorimeter which permits measurement of heat value in fuel gases in hazardous, Class I, Group C&D Electrical Division areas, in close proximity to blending and mixing facilities. The device consists of an explosion-proof enclosure, automatic ignition systems, and a standard Flo-Cal calorimeter assembly. Information: James Liolin, Fluid Data Inc., 1844 Landsdowne Ave., Merrick, NY 11566.

• Liquid Level Lectronics Inc. is offering an electric level control designed to perform in highly acidic, salt, nuclear, or similar corrosive environments. Known as the L471-K, the unit may be used as a high or low level control by simply inverting it. Details: Liquid Level Lectronics, Inc., PO Drawer 788, Porter, TX 77365.

• Seitz Filters has introduced its ST-80 stainless steel sanitary filter with highly polished surface for easy removal of screens and complete cleaning. The ST-80 has a 4 to 40 filter pad capacity plus double filtration in a single pass when a dividing head is used. Details: Seitz Filters, PO Box 588, Milldale, CT 06467

• Gelman Instrument Co. has developed HT Tuffryn, a heat-resistant filter suitable for filtration for heated air, gases, or fluids. HT Tuffryn is an all-plastic membrane filter made from a high temperature aromatic polymer, Gelman says, and can be sterilized by dry heat or live steam and is safe to use with boiling water. Information: Gelman Instrument Co., 800 S. Wagner Road, Ann Arbor, MI 48108.

• Varian Associates is marketing its Thermionic Specific Detector for its Model 3700 gas chromatograph. Alkali source in the detector is an electrically heated ceramic bead made of a new proprietary ceramic-alkali material, providing stability at high temperatures and a long operating life. Information: Pierre Monette, Varian Associates, Box D-165, 611 Hansen Way, Palo Alto, CA 94303. ●

