

New Products

SULFATED CELLULOSE

Advanced Separation Technologies Inc. (ASTECH) has introduced a sulfated cellulose designed for analysis, separation and purification of LCL, VLDL, and HDL (lipoproteins) from animal and human serum or plasma. This material, designed for laboratory and large-scale separations, is available as a preswollen moist powder (75-150 micron particle size) in both 3.5 and 5.2 milliequivalents of sulfate per gram of dry material in 50 g, 100 g, 500 g and 1 kg packs. Contact: Advanced Separation Technologies Inc., 37 Leslie Ct., PO Box 297, Whippany, NJ 07981.

OIL-IN-WATER MONITOR

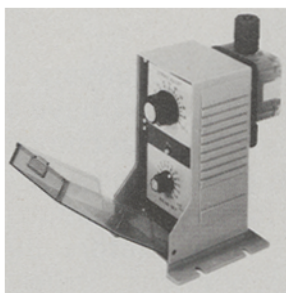
Teledyne's Model 665 oil-in-water monitor uses the principle of ultraviolet (UV) absorption for continuous on-line monitoring of upset oil contamination in boiler return condensate and recycled cooling tower water. The instrument is designed to measure dissolved and soluble UV-absorbing oils using a single-beam dual wavelength UV photometric analyzer. Contact: Teledyne Analytical Instruments, 16830 Chestnut St., PO Box 1580, City of Industry, CA 91749-1580.



HUMIDITY INDICATOR

Phys-Chemical Research Corp.'s Humeter humidity indicator with a PCRC-11 HPBH sensing probe is designed for use in laboratories, animal rooms, test chambers, glove boxes, incubators and other research areas. Available in either analog or digital meter format, the instrument features a linearized voltage or current output which can be fed to a chart recorder or computerized data acquisition and

control system. Each unit receives a final, four-point chamber calibration using NBS-traceable standards. It is designed for duct, wall or environmental chamber mounting. Contact: Mike McCabe, National Sales Manager, Instrument Division, Phys-Chemical Research Corp., 36 W. 20th St., New York, NY 10011.



METERING PUMPS

A line of electromagnetically controlled, solenoid-driven metering pumps is available from Neptune Chemical Pump Co. The "N-Feeder" series "PD" diaphragm pumps are solenoid-actuated and feature adjustable stroke length and stroke frequency while the pump is operating. Five models offer metering from 0.006 to 1.90 gph at pressures from 70 to 140 psi. Standard features include foot valve strainer, injection check valve, suction and discharge tubing, injection quill, diaphragm back pressure device and air bleed valve. Construction materials include PVC pump head, Teflon diaphragm and glass ball checks; Hastelloy "C" checks are optional. Contact: Neptune Chemical Pump Co., Division of R.A. Industries Inc., PO Box 247, Lansdale, PA 19446.

INTERFACE KIT

Varian has introduced POLY-SOC, an external computer serial interface kit for the Polychrom Model 9060 diode array automated ultraviolet spectrophotometric detector for HPLC. The kit is designed to link the Polychrom with any IBM-compatible personal computer, and to allow transference and storage of spectra, purity parameters, ratio tables, methods and run logs. Contact: Varian Instrument Group,

220 Humboldt Ct., Sunnyvale, CA 94089.



DIODE-ARRAY DETECTION

Hewlett Packard's 1040M diode-array detection system is designed for acquisition and interactive evaluation of chromatographic and spectral data. The system is a problem-solving tool designed for laboratories involved in research, methods development and quality control. It is compatible with any make of LC and can be moved from one instrument to another. During an analysis, users can save up to eight spectra per second from 190 to 600 nm. After the run, software provides access to a 3-D matrix of analytical information. Contact: Inquiries Manager, Hewlett Packard, 1820 Embarcadero Rd., Palo Alto, CA 94303.

SODIUM CONTENT ANALYSIS

Technicon Instruments Corp.'s Industrial Systems Division offers a direct method for analysis of sodium content in food products. Based on flame photometry, the method utilizes a Technicon flame photometer integrated with a Technicon AutoAnalyzer II continuous-flow system to automatically analyze for both sodium and potassium in an aqueous extract. Contact: Marketing Manager, Wet Chemistry Systems, Technicon Instruments Corp., Industrial Systems Division, 511 Benedict Ave., Tarrytown, NY 10591.

MICRO-MONITORS

National Draeger has introduced a line of micro-monitors weighing 5 ounces and measuring 3.5" x 2" x 1". The new 100 Series Ecolyzer

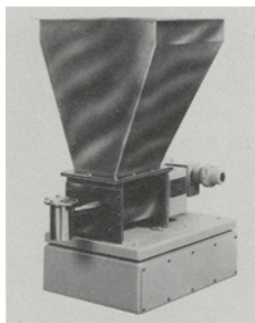
New Products

monitors use a Draeger/Ecolyzer electrochemical sensor and are powered by a standard 9-volt battery. The instruments feature visible and audible alarms, a case constructed of high impact ABS plastic and anodized aluminum, and measuring ranges from 0-1000 ppm CO; 0-200 ppm H₂S and 0-30% O₂. Contact: National Draeger Inc., PO Box 120, 101 Technology Dr., Pittsburgh, PA 15230.



THERMOCOUPLE THERMOMETER

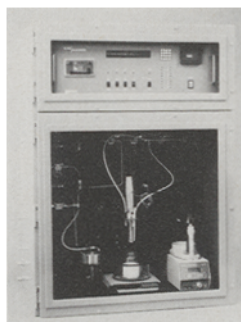
Atkins' type T thermometer reads in 0.1 F or C increments and provides a temperature range of -40.0 F to 199.0 F switchable to -40.0 C to 199.9 C. The company claims instrument accuracy is $\pm 0.2\%$ of reading ± 0.5 C (or F equivalent). Hundreds of standard probes are offered with the thermometers, as well as customized "kits" for each industry. Contact: Atkins Technical Inc., 3401 SW Blvd., Archer Interchange (I-75) Industrial Area, Gainesville, FL 32608.



WEIGH FEEDERS

Acrison, manufacturer of metering, blending and hopping equipment for dry solids and liquids, has introduced Models A401 and A405 digital "Weight-Loss-Differen-

tial" weigh feeders. The models include Acrison's Scamp-M micro-processor controller, stainless steel flexures and a ratiometric digital weight sensor. Contact: Acrison Inc., 20 Empire Blvd., Moonachie, NJ 07074.



TITRATION SYSTEM

Brinkmann Instruments Co. offers an industrial on-line titration system, a microprocessor-based instrument sampling up to four different process streams automatically, and performing forward and backward titrations with two different titrants and two different electrode pairs. The instruments are provided with either volumetric or gravimetric systems for sample measurement. For solutions of low viscosity and constant density, volumetric sampling loops are available from less than 1 ml up to 50 ml. A gravimetric sampling system is available for process streams of high viscosity, widely variable density, or those requiring analytical results by weight. Contact: Brinkmann Instruments Co., Cantiague Rd., Westbury, NY 11590.

HPLC DETECTOR

A variable wavelength detector for UV/Vis monitoring of a wide variety of HPLC applications is available from IBM Instruments Inc. The compact LC/9563 is a stand-alone detector featuring a dual-beam optical system that compensates for source energy variations and may be used for solvent absorbance compensation. It has a UV/visible wavelength range of 190 to 700 nm. Contact: IBM Instruments Inc., Orchard Park, PO Box 3332, Danbury, CT 06810.

REFINED GLYCERINE

Unichema International has introduced a refined glycerine, Pricerine 9099. According to Unichema, Pricerine 9099 has a minimum glycerine content of 99.7%, with excellent heat stability, color and odor characteristics. It can be used in polyether applications, in cosmetic, pharmaceutical and food products. Contact: Unichema Chemicals Ltd., Bebington, Wirral, Merseyside L62 4UF, United Kingdom, or Unichema Chemie GmbH, PO Box 1280, D-4240 Emmerich, West Germany.

TUMOR LIPIDS:

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