
New Products

CASE ERECTOR/BOTTOM SEALER

Packaging Service Industries' mechanical motion Series 1515 Case Erector/Bottom Sealer is designed to automatically select, erect, square and seal bottom flaps of corrugated cases at speeds of 10-35 cases/minute. Features include large capacity magazine, hand crank adjustment, fiber-optic sensing station, positive case pick-up and jam sensing controls. Contact: Susan Messick, Packaging Service Industries, 315-27th Ave. N.E., Minneapolis, MN 55418.

DIGITAL THERMOCOUPLE THERMOMETER

The Atkins Series 396 digital thermocouple thermometer is designed to offer 1% reading accuracy from -25 to 500 F, (-32 to 260 C). Two alkaline 9-V transistor radio batteries provide power for 1,000 hours' continuous use. Contact: Atkins Technical Incorporated, 3401 S.W. 40th Blvd., Archer Interchange Industrial Area, Gainesville, FL 32608.

PROTEIN ANALYZER

Pacific Scientific's Model 101 Cereal Grain Analyzer digitally displays protein and moisture readings. It is designed to segregate incoming grains by protein and moisture levels, differentiate between malting and feed barley, maintain control during blending, reduce reject shipments and analyze sunflower for oil content. It is available in a Model 101B version with capacity to 16 independent grain calibrations, analyzing sunflower, wheat, barley and a variety of other products. Contact: Doug Evans, Product Manager, Pacific Scientific Co., 2431 Linden Lane, Silver Spring, MD 20910.

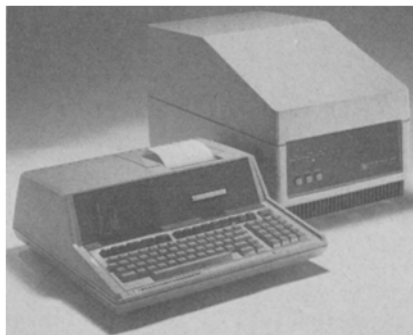
PRESSURE-SENSITIVE LABELS

Pressure-sensitive labels in a variety of colors and sizes are available from Seton Name Plate Corporation. Recommended for indoor use, these labels can be applied without dispensers. Base materials available include white or yellow paper, metallized gold or silver paper, white or yellow vinyl, clear acetate or radiant red, orange, lime or green paper, die-cut or butt-cut. Contact: Seton Name Plate Corp., PO Drawer ZN-1331, New Haven, CT 06505.

DIGITAL THERMOMETER

Brinkmann Instruments offers a new digital thermometer for use with Lauda

circulators or any other instrumentation requiring digital temperature readout. Model HB-200 Digital Thermometer has a range from -199.9 to 199.9 C, with a resolution of 0.1 C. Features include LED display, 4-in. stainless steel RTD probe and analog output for connection to strip-chart recorders. Contact: Brinkmann Instruments Co., Catiague Road, Westbury, NY 11590.



SPECTROPHOTOMETRIC DETECTOR SYSTEM

Hewlett-Packard Company has developed HP 1040A, a high-speed spectrophotometric detector system. This new stand-alone detector uses chromatography and spectroscopy simultaneously for fast peak identification and confirmation. Linear photodiode array and high-speed computer network provide data-acquisition capability for multiple-signal, chromatographic data output and permit spectral scanning during the analysis run without loss of chromatographic data. Contact: Inquiries Manager, Hewlett-Packard Co., 1820 Embarcadero Road, Palo Alto, CA 94303.

AMINO ACID ANALYZER CHEMICALS

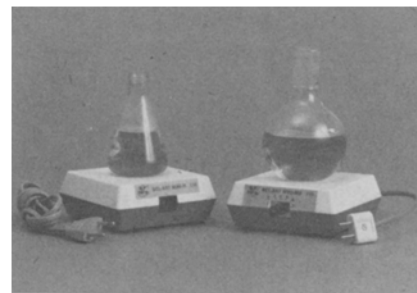
Beckman Instruments Inc. has formulated specialized chemicals for the System 6300 Amino Acid Analyzer. Each chemical, packaged in a specific concentration, is ready for immediate use, with containers designed to attach directly to the instrument. System 6300 high performance buffers undergo baseline testing to ensure they are free of ninhydrin-positive contaminants. System 6300 ninhydrin reagent is tested for purity and long-term stability. Contact: Beckman Instruments Inc., Bioproducts Operations, 1117 California Ave., Palo Alto, CA 94304.

FLUE GAS ANALYZERS

Ametek is offering two gas analyzers. Model CV-I oxygen analyzer is designed to continuously monitor excess oxygen in flue gases of oil, coal or gas-fired industrial package boilers and small furnaces. Model CV-IC analyzer monitors oxygen and excess combustibles in flue gases. Both operate on 115- or 230-V AC power and do not require reference gas or compressed air connections. Contact: Ametek, Thermox Instruments Division, 150 Freeport Rd., Pittsburgh, PA 15238.

OXYGEN ANALYZER/ALARM

Neutronics Model SQ-8 Sequencing Oxygen Analyzer/Alarm is an all-digit instrument designed to monitor oxygen concentrations in up to eight remote areas. Individual sensors, mounted in the areas to be monitored, are connected to the central unit by 22-gauge twisted pair wire. Each sensor signal gives a direct reading of the oxygen percentage on a LED digital display. The standard measurement range is 0-35% oxygen, with a 0.1% resolution. A pair of thumbwheel switches permits the user to set alarm trip levels to warn of oxygen-deficient or -enriched conditions. The instrument operates from 115-V AC, 60 Hz power source. Contact: Neutronics Inc., 450 Drew Court, King of Prussia, PA 19406.



MINI-STIRRERS

Bel-Art has introduced two mini-stirrer models. Model 114, a Mini-M Stirrer with AC motor, has a constant, no-load speed of 600 rpm, and can stir volumes up to 800 mL. Model 115, a Mini-MR Stirrer with DC motor, has speed control for 0-200 rpm. Its stirring capacity is 1 L. Each unit measures 4-3/4 in. by 4-3/4 in. by 1-7/8 in. Contact: Bel-Art Products, Pequannock, NJ 07440.

PHOTOMETRIC ANALYZER

Monitek's new Model 25/34 is a submersible photometric analyzer designed to measure suspended or dissolved solids with a resolution up to 0.05%. Spans range from 0.1 to 80% by weight or volume, depending on the optical properties of the material measured. Features include independent zero and span adjustments for scaling concentration ranges; a meter readout of alarm/control set points; isolated 4-20 mA output; independently adjustable control/alarm relays with LED indicators; linearity of plus or minus 5% over five decades of input signal and an ambient operating temperature range of 0-70 C. Maximum submersible depth is 30 ft, with calibration independent of cable length up to 1,000 ft. Contact: George Condrashoff, Product Manager, Monitek Inc., 1495 Zephyr Ave., Hayward, CA 94544.

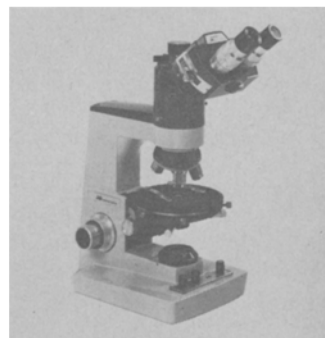
TEMPERATURE METER

The L.G. Nester pHase IV combination meter is used to measure pH, mV and

temperature, including pH with automatic temperature compensation. Each pHase IV meter is supplied with durable carrying case, a gel-filled, unbreakable epoxy Dura-Probe and buffer solution. The instrument features LCD display. A general purpose temperature probe, high-temperature probe and AC adapter are available as accessories. Contact: L.G. Nester Co., subsidiary of Leeds & Northrup, PO Box 666, Millville, NJ 08332.

CHLORINE ANALYZER

IBM Instrument's Chlorine Analyzer EC/250 is designed for rapid, accurate and continuous determination of residual chlorine in a variety of aqueous solutions. The chlorine residual concentration in the sample is displayed directly on the digital panel meter. The EC/250 incorporates an internal calibrator and can be adapted for laboratory or industrial use. Contact: IBM Instruments Inc., Orchard Park, PO Box 332, Danbury, CT 06810.



POLARIZING MICROSCOPE

American Optical has redesigned its Polarizing Microscope Pol Star to include a trinocular body. The Pol Star Microscope is equipped with 4X and 10X Planachromatic and 40X Achromatic .85 N.A. objective. Other features include a 10X focusing wide field eyepiece, cross hairs for 45° and 90° viewing, built-in tungsten halogen transmitted light illumination system, and stable circular stage that can be rotated 360°. Contact: AO Scientific Instruments, PO Box 123, Buffalo, NY 14240.

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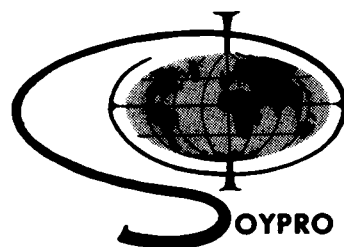
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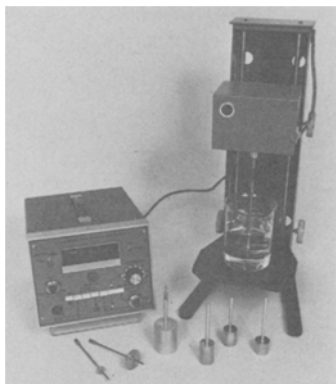
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ROTARY VISCOMETER

Nametre Company has developed a new instrumental technique for measuring the viscosity of liquids. Rotary B, the new viscometer, displays torque and viscosity as functions of speed and indicates the speed and temperature of the sample. The unit accommodates both standard ASTM disk spindles and cylindrical spindles. Contact: Nametre Co., 1778 State Highway 27, Edison, NJ 08817.

NEW PRODUCT LITERATURE

The first U.S. edition of a 914-page catalog of Riedel-de Haen laboratory chemicals is available from Crescent

Chemical Co. Inc., 1324 Motor Parkway, Hauppauge, NY 11788... The 12-page **Analytical Specialist** on chromatography equipment and supplies can be obtained from the Anspec Co., 122 Enterprise Dr., PO Box 7730, Ann Arbor, MI 48107... Brinkmann Instruments Inc., Subsidiary of Sybron Corporation, Cantigue Rd., Westbury, NY 11590, has published a new catalog, **Brochure BR-432**, covering Brinkmann Liquid Handlers... A 24-page guide detailing the use of continuous path conveying is offered by Serpentix Conveyor Corp., 1550 South Pearl St., Denver, CO 80210... Descriptions of eight pumping applications are included in **Bulletins 101 through 108** from the Warren Rupp Co., 800 N. Main St., Mansfield, OH 44901... The four-page **9118 Drumfiller System Brochure** illustrating an automatic, electronic system for filling containers is available from Toledo Scale, 60 Collegeview Rd., Westerville, OH 43081... **Bulletin 8500** describing Beckman Instruments' line of industrial laboratory products can be obtained from Beckman Instruments Inc., Analytical Instruments Sales and Service Division, 2500 Harbor Blvd., Fullerton, CA 92634... Amicon has published a 96-page catalog covering its separations technology products,

from chromatography to ultrafiltration and microfiltration. Contact Carol J. Mycoff, Amicon, 182 Conant St., Danvers, MA 01923... A four-page technical bulletin detailing accessories for direct-reading liquid level gauges and valves has been published by the Penberthy Division of Houdaille Industries Inc., PO Box 112, Prophetstown, IL 61277... An 18-page brochure on flanged ball valves and 10-page brochure on pneumatic and electric actuators are available from Marpac Unit of Mark Controls Corp., 1900 Dempster, Evanston, IL 60204... Uses of cartridge insert valves are described in **Bulletin 80005-A** from the Oilgear Co., 2300 South 51st St., Milwaukee, WI 53219... **Supelco Reporter No. 4**, published by Supelco Inc., Supelco Park, Bellefonte, PA 16823, features articles on GC, HPLC and chemical standards... Micromeritics Instrument Corp., 5680 Goshen Springs Rd., Norcross, GA 30093, has published a brochure describing Micromeritics' materials Analysis Laboratory's capabilities for particle technology measurements... An updated 32-page catalog, **E-CC7**, covering Panduit wiring products is available from Panduit Corp., Electrical Products Group, 17301 Ridgeland Ave., Tinley Park, IL 60477.

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