

# New Products

## OXYGEN ANALYZER

The portable Neutronics Model 910-TR-PM provides digital analysis of trace oxygen levels in the field. The instrument measures 0 to 10 ppm through 0 to 2000 ppm, and is designed to certify gas purity, spot check gas cylinders and monitor processes. It has a four-digit liquid crystal display to 1999 ppm with 1 ppm resolution. The unit operates from a 115VAC 60 Hz source or an internal battery which performs for 10 hr before requiring recharging. Also available in fixed location models. Contact: Neutronics Inc., 450 Drew Ct., King of Prussia, PA 19406.

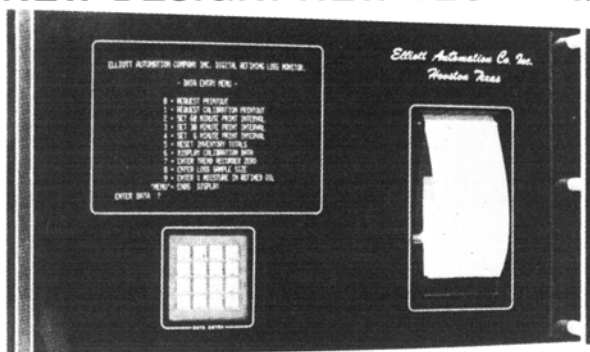
## ANALYSIS SAMPLER

Scientific Instruments Corp.'s new continuous-flow analysis sampler can hold up to 100 sample cups or glass tubes. The unit's digital control of sample and wash times allows the operator to preset these times separately for one to 999 seconds, in one-second increments. After the last sample is processed, the AS-100 automatically shuts off and rewinds the sample tray to the starting position. The sampler is designed specifically for industrial laboratory and process control applications. Contact: Scientific Instruments Corp., PO Box 295, 25 Broadway, Pleasantville, NY 10570.

## CAPILLARY COLUMNS

Hewlett-Packard Company is offering a new series of high-performance silicon capillary columns for gas chromatography. The HP 19091J and HP 19091Z columns are designed for routine analysis, methods development, educational laboratories and experimental chromatography. Column efficiency ranges from 2,400 plates/m (wide bore, thin film) to 4,000 plates/m. Three film thicknesses are available for each diameter column. Operating temperatures range from -60 C to 300 or 350 C, depending on film thickness. Contact: Inquiries Manager, Hewlett-Packard Co., 1820 Embarcadero Rd., Palo Alto, CA 94303.

## OIL REFINERY MANAGERS, REDUCE LOSSES NOW! NEW DESIGN! NEW TECHNIQUES!



SYSTEM  
THREE  
"VIDEO"

### LOSS MONITORING • PLUS • LOSS CONTROL SYSTEM WITH (NO MOVING PARTS) MASS FLOWMETERS

New: Video Display Loss Monitor allows more information to be displayed and allows messages to be displayed.

New: Calculations and features to make this the best Loss Monitor ever with three separate loss indications. Relative Loss for tuning the process, Absolute Loss for inventory purposes, and Batch Loss for short term comparison of absolute losses.

New: Optional Mass Flowmeters — No moving parts, immune to air blows and not effected by air entrainment or by dirty crude oils.

New: Digital Caustic Treat Control — Standard with every Loss Monitor, guarantees your ability to tune the caustic treat for a low loss condition.

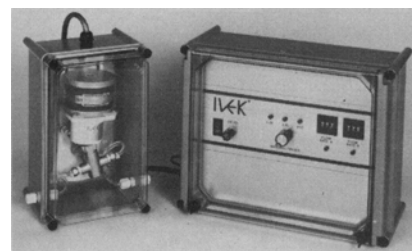
New: Automatic Zero Calibrate Manifold System — Simplifies this important operation allowing on-line calibrations without shutting down the refinery. Greatly reduces installation costs.

Warning: Elliott Loss Monitors are protected by U.S.A. Patents.

Send for our latest brochure, and ask about our new Lease/Purchase terms that allow you to pay for the system out of savings. Most refineries only need 7 days out of each month to make the payments the rest is return on investment.

# Elliott

AUTOMATION COMPANY INC.  
HOUSTON, TEXAS U.S.A.  
(713) 530-2108 TELEX 79-24-25



## METERING SYSTEM

Ivek's OX-2D precision metering system is designed to provide accurate, repeatable flow rates for vitamins, antioxidants, enzymes, emulsions and many other liquids for feeding in processes or pilot plant applications. Features include solid-state electronics, stepping motor drive and positive displacement valveless metering pump. Wetted pump surfaces are sapphire hard ceramic. Contact: Ivek Corp., PO Box 401, N. Springfield, VT 05150.

## MICROSCOPE HOT STAGE

The new FP84 Microscope Hot Stage from Mettler permits the user to observe a sample under a microscope and record the thermal effects (differential scanning calorimetry curve) of the process. Temperature range of the instrument is room temperature to 300 C, or, if coolant gas is used, from -60 C to 3000 C. The FP84 is designed for use in studying pharmaceuticals and chemicals, for testing building materials, and for studying greases or liquid crystals. Contact: Mettler Instruments AG, CH-8606 Greifensee, Switzerland.

# New Products



## pH ELECTRODE

Chemtrix Inc. has introduced its H105 "No Fuss" pH electrode. The gel-filled  $\frac{1}{2} \times 6$ " electrode has a chemically resistant polymer body. It is designed to provide responses over the entire pH range for temperatures from 0 to 100 C. Contact: Chemtrix Inc., 163 S.W. Freeman, Hillsboro, OR 97123.

## METERING PUMPS

LDC/Milton Roy has released its new mini-Metric Models I and II metering pumps, designed to provide low-cost HPLC solvent delivery. Both feature continuously adjustable flow rates from 50 to 5.0  $\mu\text{L}/\text{min}$  at pressures to 6000 psi. Contact: LDC/Milton Roy, PO Box 10235, Riviera Beach, FL 33404.

## HPLC COLUMN

Du Pont has introduced its "Zorbax" Golden Series column, a rapid analysis, 3-micron particle column for high performance liquid chromatography that is designed to separate samples two to three times faster than conventional analytical columns. Golden Series columns are available in ODS (C18), C8

and SIL (silica). Contact: Du Pont Co., Liquid Chromatography, Concord Plaza, Quillen Bldg., Wilmington, DE 19898.

## pH METER

A new pocket-sized pH meter from Haake Buchler Instruments Inc. enables users to read pH on a liquid crystal display while stirring fluids with the meter's electrode "stick." The meter features full range pH readout, built-in temperature compensation and research grade accuracy of  $\pm 0.03$  pH units. It comes in a protective wallet complete with packets of pH 4 and pH 7 buffer powder for calibration. Contact: Haake Buchler Instruments Inc., PO Box 549, Saddle Brook, NJ 07662.



## WASHING SYSTEM

Forma Scientific is offering a compact Power Package washing system to wash and dry labware. The system includes washer-dryer, accessory dryer, accessory booster heater and accessory deionizer. All are designed to fit under any standard laboratory counter. Contact: Forma Scientific, Division of Mallinckrodt Inc., Box 649, Marietta, OH 45750.

**Various Types of**

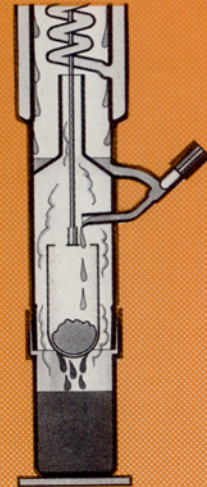
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# FAT ANALYSIS FASTER

The new Soxtec™ HT



## Universality

Extracts compounds from many types of material. Works up to 200° C, enabling most organic solvents to be used.

## Precision

The Soxtec™ principle has proven as accurate and reproducible as Soxhlet.

## Speed

Our patented technique\* reduces extraction time to 20% of the rated Soxhlet time.

## Safety

Evaporation heat is conducted by oil from a separate source.

\* (USP No. 3,798,133)

Please call or write for product details.

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