



pH Meter

Model 611 has separate input connectors for pH and optional dissolved-oxygen electrodes. Turning the mode switch gives readings of sample pH, oxygen, and temperature. Temperature-corrected pH readings are attained by the simultaneous measurement of electrode potential and resistance. Since the logarithm of pH electrode resistance varies directly with temperature, a signal proportional to temperature may be derived without the use of a separate compensation probe. This compensation method works with any electrode configuration. Orion Research. Circle 798.

Glycohemoglobin Kit

Cyanide is not used in the fast Hb glycohemoglobin test system. It was formerly used in the conditioned ion exchange resin columns and in the two hemoglobin elution solutions of the test. Cyanide is objectionable from the standpoints of health, safety, and the disposal problems it presents. Eluted hemoglobin fractions are more color-stable in the absence of cyanide. The test is useful in study and treatment of diabetes to detect and monitor glycohemoglobin. Isolab. Circle 823.

Atomic Absorption Spectrometer

Model 855 Plasma AutoComp is an optical emission spectrometer and inductively coupled argon plasma system. It simultaneously determines concentration of up to 30 elements per sample in the range of parts per billion. A micro-

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—RICHARD G. SOMMER

processor features the plasma analytical language operating package for rapid, reproducible methodology. Options include automatic background correction, a high-solids nebulizer for samples that are difficult to analyze, and a statistics software package. Jarrell-Ash Division, Fisher Scientific. Circle 824.

Scientific Computer

System/900 offers a virtual memory system for research and statistical analysis. The full alphanumeric keyboard also includes a symbolic mathematic character set and several fonts. Functions include arithmetic, trigonometric, relational, and logical. Data manipulations include transpose, rotate, scan, catenate, format, index, reshape, and random number generation. The file system allows storage and retrieval of objects by name. Array processing is integral. Up to 2000 programs may be stored on a diskette and up to eight diskettes may be loaded at a time. The system also features fully recursive program definition. Interactive Computer Systems. Circle 825.

X-ray Diffractometer

The APD 3600 permits rapid analysis of silica in air. The silica is collected on a thin filter membrane. The apparatus will determine the percentage of free silica in dust and the concentration of dust in air. In addition, cristobalite and tridymite may be identified. This powder diffractometer features a microprocessor and there is a software library of usual methodologies. Philips Electronic Instruments. Circle 811.

Platelet Aggregation Meter

Model DP-247-E requires only 0.2-milliliter samples for analysis. The device, based on optical transmission through a cuvette, generates two curves simultane-

ously under identical sample conditions. This allows choice of means of analysis and sample combination and minimizes plasma deterioration. Applications include detection and characterization of conditions leading to increase or decrease in aggregation. Plasmas that are lipemic and those that have low platelet counts are also easily analyzed. Sienco. Circle 812.

Calibration Weights for Electronic Balances

This set consists of five calibration weights in a hinged, foam-padded carrying case. The weights are made of brass and lacquered to protect their surfaces. They are individually adjusted to Class P tolerance or better. Their values are 1000 grams with 15-milligram tolerance, 500 grams with 10-milligram tolerance, 300 grams with 6-milligram tolerance, 150 grams with 3-milligram tolerance, and 30 grams with 0.9-milligram tolerance. Ohaus Scale. Circle 813.

Microprobe for Cell Disruptor

This device, SDT 080EN, enables the user to process 0.3- to 5.0-milliliter samples. The Microprobe is a rotor-stator generator whose shielded rotor, turning at 24,000 revolutions per minute, acts as a centrifugal pump to recirculate the liquid and suspended solids through the generator where shear, impact, collision, and cavitation effects combine to provide homogenation. The Microprobe is 100 millimeters long with an outside diameter of 8 millimeters. It is made of 304 stainless steel with a Teflon slit-ring bearing. Tekmar. Circle 810.

Literature

Viscometer describes vibrating-sphere models capable of measuring one sample per minute. Nametre. Circle 802.

Environmental Test Equipment lists a complete line of chambers and simulators for control of many test parameters in biological, chemical, and medical research. Tenney Engineering. Circle 807.

HPLC Bibliography includes 68 references for the liquid chromatographer. Schoeffel Instruments Division, Kratos. Circle 808.

Branched-Chain Hydrocarbons are featured in ThetaKits for 20 established standards including ketones and aldehydes. Theta. Circle 809.

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