

device operates in any position at flow rates to 10 milliliters per second. The pipet is a two-channel unit capable of handling from 5 microliters to 1 milliliter with reproducibility and accuracy of ± 4 percent at 5 microliters, ± 1 percent at 50 microliters, and less than 1 percent at volumes exceeding 50 microliters. Pharmacia Laboratories. Circle 706.

Lyman Alpha Radiation Source

A miniature lamp emitting radiation at 121.6 nanometers features over 500 hours of operation, requires a 2-watt power supply, and is permanently sealed. This wavelength is used in vacuum test chambers to simulate the degradation of materials exposed to ultraviolet radiation in outer space. The lamp yields over 0.2 sun equivalent from the 8-millimeter clear aperture of its magnesium fluoride crystal window. This is sufficient for small-scale testing and as a source for vacuum ultraviolet spectroscopy. Artech. Circle 710.

Lyman Alpha Optical Filters

Multilayer interference filters permit peak radiation at 121.6 nanometers. These filters are stable and resistant to visible and ultraviolet radiation. Out-of-band rejection ratio is from 10^3 to 10^4 for narrow-band two-cavity filters and from 10^2 to 10^3 for broadband filters. They are available in sets to fit a filter assembly suitable for mounting on spectrophotometers. Acton Research. Circle 711.

Particle Counter

The Prototron (Fig. 3) includes diffuse vertical illumination for visual identification of large particulates and a scanning laser beam for detection of small particulate matter. It makes in situ counts for containers with inside diameters ranging from 20 to 200 millimeters. It features a manual setting for threshold size and then counts particles with diameters that exceed the threshold. Spectrex. Circle 729.

Automated Tape Library

The model 7110 ATL provides on-line control of all magnetic tape processing functions. It provides physical storage, mechanical retrieval, mounting and storing, and software to facilitate control and management. It is modular: one unit includes a control module, two storage sections, and a reel selector and mounter to service one

tape drive. It stores up to 746 reels. Expansion to service of 32 drives and storage of 6122 reels is feasible. Calcomp. Circle 730.

Ionized Calcium Analyzer

The SS-20 measures ionized calcium in whole blood in less than 3 minutes. An analysis requires the injection of a 500-microliter sample of serum or heparinized blood through a port. The operator activates an analysis button and the device does the rest. Results are in milliequivalents per liter. Orion Research. Circle 731.

Centrifuge

The CENTRX performs microhematocrit, serum preparation, and urine separation. It can accommodate eight 75-

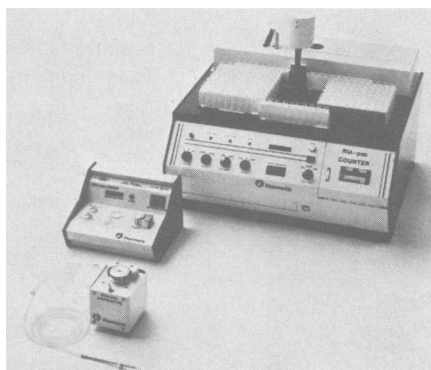


Fig. 2. RIA-pac is a complete radioimmunoassay system which will enable the operator to perform up to 800 analyses per day. Circuitry is designed for compatibility with computer peripherals.

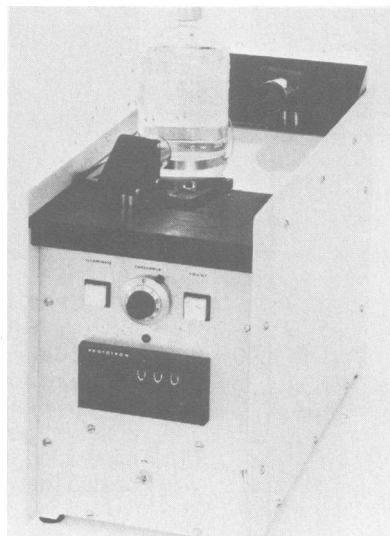


Fig. 3. The Prototron particle counter is adaptable to a variety of research, clinical, and industrial tasks.

millimeter capillary tubes, four 15-milliliter test tubes, or four Vacutainer tubes. Speed is variable up to 10,500 revolutions per minute and there is an automatic timer and an electric brake. Phipps & Bird. Circle 732.

Literature

Micro Memo is a pocket-book sized collection of technical data on microscopy. Wild Heerbrugg Instruments. Circle 724.

Water Baths are featured in a 20-page catalog devoted to applications in life science research and industrial testing. Hot-pack. Circle 717.

Environmental Chambers includes over 200 models from reach-in to walk-in types with a wide variety of controlled parameters. Vista Scientific. Circle 718.

Disposable Recorder Pens are described in a data sheet. They increase the writing capacity of chart recorders. MSD Division, Graphic Controls. Circle 719.

Computer Equipment Directory is a monthly listing of new and used equipment available at \$75 per year. The Computer Store. Circle 721.

Specific Ion Electrodes is a catalog that describes connectors, filling solutions, calibrating solutions, and meters and gives detection curves for each of several electrodes from ammonia to zinc. Chemtrix. Circle 698.

Measuring and Recording Instrumentation is a 12-page catalog of recorders and other electronic devices. Yokogawa of America. Circle 722.

Computer Systems describes a line of memory devices and peripherals as well as central processing units. Wang Laboratories. Circle 723.

Simplicity of Modern Voiceband Testing discusses measurements of transmission level, circuit noise, and battery voltage, among others. Wiltron. Circle 725.

Chemical Instrumentation is devoted to trace gas analysis. HNU Systems. Circle 726.

Laboratory Appliances and Accessories features the Tek-Pro line of products for counting, timing, heating, stirring, and rotating. Scientific Products Division, American Hospital Supply. Circle 727.

Explosion-Proof Refrigerators and Freezers lists typical questions of users about hazardous locations and atmospheric conditions. Kelmore. Circle 728.

Dissolved Oxygen Analyzers are described in a 7-page brochure. Rexnord Instrument Products. Circle 733.

Subsurface Electrical Resistivity features the R-50 Stratameter and the R-60 extended range resistivity meter for deep surveying. Soiltest. Circle 736.

Science

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