

new products

Pollution study materials for high schools and colleges are designed to make the students aware of the major causes and effects of pollution, as well as some of the controls. Using the devices created for the program, students can measure particle and gaseous concentrations in classrooms and outdoor environments, test the effects of various pollutants on plant life, and even create and study smog. More than 70 experiments are included in the program along with a miniature electrostatic precipitator that shows students how solid waste may be removed from stack gases.

Eduquip Inc.

Circle No. 150 on Reader Service Card

Molecular motion demonstrator is a visual-motion device showing action of molecules on a classroom-visible scale. The device enables the student to understand concepts of kinetic theory, and reproduces molecular behavior in gases, liquids and solids with remarkable fidelity. The unit operates on D batteries, and will fit any overhead projector. A study guide gives basic and advanced presentations for 10 experiments.

Educational Materials & Equipment Co.

Circle No. 151 on Reader Service Card

Mercury detection kit may be used to detect as little as 0.003 microgram of mercury. The kit contains sufficient materials for 100 determinations. Mercury may be detected in a wide variety of samples such as water, industrial streams and effluents, manufactured or natural products, soils and clinical samples, and in the air.

Koslow Scientific Co.

Circle No. 10 on Reader Service Card

Noise alarm is a compact wall-mounted monitor that warns employees when noise reaches unsafe levels. The alarm is equipped with the weighted scale on which Walsh-Healy standards are based, and a red warning light flashes to alert personnel to use protective equipment. The unit has four settings from 85 to 100 decibels in five-decibel increments.

Bausch & Lomb Inc.

Circle No. 11 on Reader Service Card

Carbon monoxide and methane analyzer uses principles of gas chromatography to measure 3, 10, 30, 100 or 300 parts per million full scale ranges of these gases. The analyzer is guaranteed to have less than 2% error on any range, and complete freedom from interfering gases, humidity, or

ambient temperature changes. The instrument is programmed for single cycle operation for laboratory use, or automatic recycling each five minutes for field measurements.

Byron Instruments Inc.

Circle No. 12 on Reader Service Card

Wrapped wire connection tester measures the gripping strength of solderless wire-wrap connections with an accuracy of $\pm 0.5\%$ of the full scale value. A special fixture with hand lever determines failure force value which is retained on the gauge until reset. The tester comes with an adjustable bezel and models are available in kilograms and pounds.

Techni-Tool, Inc.

Circle No. 13 on Reader Service Card

Elementary astronomy series is a classroom teaching system especially designed to be used in conjunction with planetarium visits. Conceptually, the series treats astronomy from a backyard, naked-eye point of view, and this approach lends itself particularly well to planetarium reinforcement.

Spitz Laboratories, Inc.

Circle No. 152 on Reader Service Card

Electronic thermometer has a temperature range from -60° to $+200^\circ$ C.; repeatability is $\pm 0.05^\circ$ C. The low-impedance 10.00mV/degree output converts any digital thermometer with 0.1°C. resolution. The output can be used directly with most readouts and data loggers and as a linear input to control systems. Circuit card versions of the electronics are available for OEM use.

Stowe Laboratories

Circle No. 14 on Reader Service Card

Ionization detector reacts to combustion long before fire or smoke is apparent. Aerosols and other invisible by-products of fire interrupt an electrical current and trigger an alarm. It has a special checking chamber for reference so that changes in temperature, humidity or barometric pressure won't trigger a false signal. It ignores, for example, ordinary cigarette smoke. The detector measures about five inches across, and can be flush- or surface-mounted. UL approved.

Honeywell

Circle No. 20 on Reader Service Card

Magnetic visual control system visually depicts goals for various departments (shop, service, sales, etc.) each month and graphically and magnetically follows each department's progress each day. The system adds competitive spirit to any organization while being fair to all personnel involved. Magnetic card holders with card

inserts, magnetic rubber and engraved Bakelite plates are the prime accessories on the board.

Methods Research Corp.

Circle No. 15 on Reader Service Card

Proportional water sampling pump forces samples into a 2½-gallon plastic container in response to a signal from a flow meter. Sample size is variable from 36 to 480 cc per switch closure. The unit can also operate from a transmitter. It delivers a 30-second sample every 4 minutes at maximum signal strength or every 8 minutes at half-signal strength. The pump may be operated from a 115 V. AC line or rechargeable batteries. It will pump water from a river bed 18 feet below using ½" ID tubing.

Sigmamotor Inc.

Circle No. 16 on Reader Service Card

Magnetically damped balance provides high capacity (20 Kg) and is sensitive to 1g. The damping system is permanent and maintenance free, and the system improves accuracy by eliminating any need for estimating pointer "swings." Three basic models are designed for the laboratory, pilot plant, research facility or production facility requiring high-capacity resistance to environmental contamination. Positive load stops prevent damage to knife edge and bearings through inadvertent overloading.

Ohaus Scale

Circle No. 17 on Reader Service Card

Shaker bath has a uniformity of $\pm 0.03^\circ$ C. and a solid state temperature control. The shaker speed control is also solid state and has a built in tachometer. Push buttons offer operation at a pre-set temperature of 37°C. or at any other desired temperature through a 10-turn lockable potentiometer. Shaker speed may be set anywhere from 20 to 200 oscillations per minute.

Precision Scientific Co.

Circle No. 18 on Reader Service Card

Laboratory computer system is built around the 16-bit, PDP-11 processor and a two-color point plot display. It features a variety of peripheral devices and application programs, and can acquire and analyze data from one or more instruments used in the laboratory. The point-plotting display, with an 11-inch diagonal viewing screen, provides the user with the ability to determine differences between simultaneously displayed data arrays.

Digital Equipment Corp.

Circle No. 19 on Reader Service Card

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