

new products

Infrared microscope

The microscope permits easy conversion of most semiconductor mask aligners to infrared mask aligners. It may also be used for normal alignments as well as IR. The unit may be fitted to nearly all existing IR aligners, producing a bright, sharp image under normal ambient light. It provides magnification ranges from 15× to 200×, alignments up to ± 2 microns, and resolves 2 microns on an Abbe test plate.

Research Devices

Circle No. 103 on Reader Service Card

Scanning microscope photometer

The instrument provides automatic quantitative analysis of microscopic images by photometric measurement of transmittance, absorbency, reflectivity and fluorescence. The unit consists of a regular research microscope equipped with optics for visible (or ultraviolet) light, a scanning stage and a photometer to measure the light coming through the microscope's optics. The measured values are representative of the characteristics of individual points or selected areas of the specimen.

Carl Zeiss, Inc.

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Plant growth kit

A home and school kit provides materials for altering plant growth or

genetics, to illustrate the effects of hormones or mutations. Materials supplied include compounds which mimic plant hormones or in other ways alter growth. Irradiated marigold seeds produce mutations. Other materials, such as color filters, are used in experiments.

Edmund Scientific Co.

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Holography camera

Offered is a lightweight, hand-held holography camera which the manufacturer says is the first practical portable hologram recording device. The camera, says the company, records three-dimensional holographic images in the form of still photographs.

Hughes Aircraft Co.

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Electronic tonics

Announced are two aerosol sprays, Electronic Tonics 1 and 2, for restoring and maintaining contacts, switches, relays and other important points in electronic circuits. Tonic 1 is a cleanser and Tonic 2 a final cleaner, lubricant and protectant.

Pierce Chemical Co.

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DNA model

A manufacturer announces what is claimed to be the first model of a DNA molecule within the price range of high

schools or home experiments. Assembly of the model is made easier with templates and marked bond positions. Assembly consists of making five adenine—thymine pairs, five cytosine—guanine pairs and 20 sugar phosphate backbones. Quite a bit is left to the buyer, who must paint the atomic units.

Science Related Materials, Inc.

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Interval timer

The timer is designed specifically for use in medical instrumentation, industrial processing controls and other applications requiring exceptional accuracy and stability. The two-digit unit performs an accuracy of 0.01 percent of set value and is available for two- or three-digit illuminated readouts.

AP Electronics, Inc.

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Smoke monitor

The monitor utilizes a large, remote digital display in place of the usual meter-pointer-on-scale method. Dual numerals read smoke in Ringlemann units from 0.0 (clear) to 5.0 (total smoke). Green, yellow and red signal lights illuminate in sequence as smoke increases from clear, through haze, to objectionable density. Thumb wheels set densities at which signal lights transfer.

Photomation, Inc.

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Mini-flow calibrator

A compact unit for laboratory or on-site calibration of flowmeters, the kit will calibrate over the range of 0.1 cc per minute to 2,000 cc per minute with an accuracy of 0.25 percent. Calibrated volumes, barometer, thermometer, stopwatch and all necessary accessories are furnished volume displacement is used.

Hastings-Rydst

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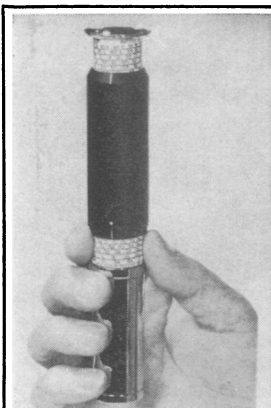
Digital logic trainer

The Digiatic 2010 Digital Logic Trainer is described as a low-cost device for teaching introductory digital computer logic. It permits experiments in boolean algebra, counters, registers, arithmetic circuits and a wide range of other computer functions.

Digiatic Corp.

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