IBM-Compatible Compact PC

.The LASER Compact XTE personal computer is fully compatible with the IBM XT and all of its software. The computer comes with 640 kilobytes of random-access memory and is expandable to 1 megabyte. An Enhanced Graphics Adapter is built in, allowing the LASER Compact XTE to dis-

play 64 colors (16 at once) with high-resolution graphics of 640 by 350 pixels. Also built in is a clock with a rechargeable battery. The computer has one 5.25-inch disk drive and an interface for a second. Other interfaces include a parallel printer port, a RS-232 serial port, and a joystick port. Video Technology Computers. Circle 620.

Statistical Consulting Software

StatChoice is a software program that advises the user on the best statistical method to analyze a particular set of behavioral or medical data. After the user enters information on the variables, the software displays the relations between the variables graphically. Then StatChoice proceeds through decision trees until it displays the best statistical procedure, its assumptions, and alternate procedures. Utilities with the program can perform statistical power and Bayesian analyses and calculate type 1–error rates. The computers for which StatChoice is available are the Apple II family, the IBM PC family, and the Macintosh. PSG Publishing. Circle 629.

Computer Graphics Display System

The Le Mans Colographic Display System can draw 1 million fully transformed two-dimensional (2-D) vectors per second and 250,000 fully transformed 3-D vectors per second. Also, it can generate 25,000 smooth-shaded polygons per second. The monitor shows 1280 by 1024 pixels. Chromatics. Circle 625.

Kit for Inducing Mutations

The Site-Directed Mutagenesis Kit induces mutations with the gapped-duplex method. This method prevents such problems as primer displacement, nucleotide misincorporation, and secondary structure inhibition. The kit contains vectors, strains, Klenow fragments, T_4 DNA ligase, nucleotides, and buffers for 25 experimental and 5 control reactions. Boehringer Mannheim Biochemicals. Circle 624.

C-Language Compiler

QuickC is a fast C-language compiler that allows programmers to edit, compile, and debug programs from within the same development environment. Compilation and executable speeds are comparable to Turbo C. Features include in-memory compilation of 10,000 lines per minute, mouse support, and an integrated source-level debugger. Also, QuickC contains a graphics library with screen-control functions. The compiler has on-line, context-sensitive help. The user can find and correct as many as 26 errors before needing to recompile; an in-memory utility recompiles only what has changed. QuickC is available on both 5.25- and 3.5-inch disks. The compiler requires an IBM PC or compatible computer, 384 kilobytes of memory, MS DOS 2.0 or later, and a double-sided disk drive. Microsoft. Circle 623.

Micromanipulator

The TPI/de Fonbrune Micromanipulator uses a pneumatic drive to transfer one-handed joystick motion in the x, y, and z axes to a microtool. Compatible with almost all microscopes, it can be set up for both right-handers and left-handers. Mechanical controls on the receiver unit make rapid coarse adjustments while the pneumatically controlled joystick is used for fine adjustments such as focusing, positioning, and

experimental operations. The ratio of the amount of joystick movement to the amount of microtool movement can be varied from 50:1 to 2500:1. The receiver unit has binding posts that permit the use of microelectrodes, and it has adjustable and fixed instrument holders. Schlueter Instruments. Circle 633.

pH and Ion Meter

The pHI 12 pH–ion-selective electrode meter is a palm-sized, portable meter with a direct readout. The meter automatically recognizes five standard buffers and enters temperature-corrected values for standardiza-

tion or calibration. Only when the measurement approaches stability is it displayed and locked. The meter has a resolution selector of 0.1 or 0.01 for pH. Beckman Instruments, Scientific Instruments Division. Circle 622.

Literature

Series 30 Microbalances is a six-page color brochure about a line of balances that can be calibrated in-house and require no special handling or installation procedures. Cahn Instruments. Circle 614.

Electronic Instruments Catalog and Buyer's Guide features digital multimeters, electrometers, picoammeters, scanners, switching cards, and other electronic test and measurement equipment. Keithley Instruments. Circle 615.

Peak-to-Peak Applied Separation Techniques, #145 is an applications bulletin concerning trace gas analysis in helium standards. GOW-MAC Instrument. Circle 616.

Introducing the 112 UV/VIS Detector is a brochure about a compact ultraviolet and visible light detector for high-performance liquid chromatography and low-pressure chromatography. Gilson Medical Electronics. Circle 617.

Superconductor Research Materials lists 35 metals and compounds in various purities for superconductor research. Johnson Matthey, AESAR Group. Circle 618.

Science

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