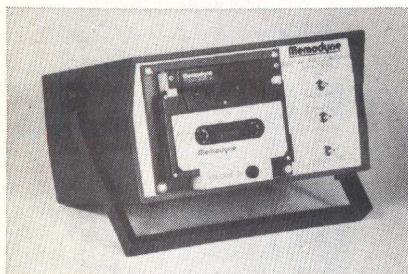


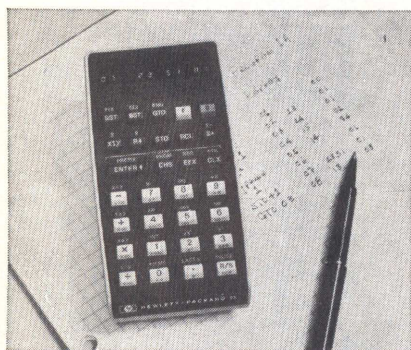
PRODUCTS

LOW POWER DATA LOGGING SYSTEM



Recording digital information directly in ANSI/ECMA format on Philips cassettes, which can then be read, printed, edited, or copied onto other cassettes, or transmitted at 1200 baud with TI's ASW733 terminal or other ANSI/ECMA compatible devices, the basic 2800 series accepts parallel 8-bit ASCII-char, TTL or CMOS input. It operates on a single 5- to 12-V supply, consuming power only while recording; during standby it requires $<100\text{-}\mu\text{A}$ current. An optional expander card provides for up to 40 parallel inputs (five decimal numbers). Input range is 10 V, or ± 5 V. **Memodyne Corp.**, 375 Elliot St, Newton Upper Falls, MA 02164. Circle 222 on Inquiry Card

PROGRAMMABLE SCIENTIFIC POCKET CALCULATOR

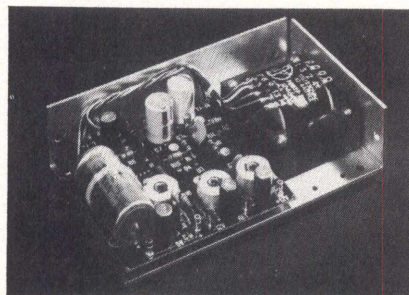


The 6-oz HP-25 offers engineering notation, which displays exponents as multiples of ± 3 for ease in working with units of measure [such as kilo (10^3), giga (10^9), pico (10^{-12}), nano (10^{-9})], and also has fixed-decimal format and scientific notation. The calculator has 49 steps of program memory, coupled with merged keycodes that conserve steps to effectively expand memory capacity. An integer/fraction key permits storage of two numbers in a single memory and an absolute value key adds to storage capacity and flexibility. **Hewlett-Packard Co.**, 1501 Page Mill Rd, Palo Alto, CA 94303. Circle 223 on Inquiry Card

KEYBOARD ENCODING IC

EA2030 is a 99-key, 4-mode encoder that identifies each key and mode with a simple binary number. Given that binary input, a p-ROM may be programmed, producing any code the user requires. Features include 10-bit code output, on-chip clock generator, built-in keybounce suppression, complete N-key rollover, electronic shift-lock, error detection for simultaneous key depressions, complete TTL compatibility, and operation with std 5- and -12-V supplies. **Electronic Arrays, Inc.**, 550 E Middlefield Rd, Mountain View, CA 94043. Circle 224 on Inquiry Card

TRIPLE-OUTPUT DC POWER SUPPLY



Claimed to be the smallest triple-output open-frame power supply available, model HTAA-16W provides 5 V at 2 A with over-voltage protection and ± 9 to 15 V at 0.2 A to power TTL, ECL, IIL, p-MOS, n-MOS, CMOS, and linear devices. Total isolation is provided between outputs to allow the user to arrange polarities to suit his application. Std features include 115/230 Vac $\pm 10\%$ input capability, $\pm 0.05\%$ line/load regulation, and full protection against short circuit and overload. **Power-One, Inc.**, 531 Dawson Dr, Camarillo, CA 93010. Circle 225 on Inquiry Card

DUAL DISC FILE SYSTEM

Providing large volume, inexpensive data storage for RS-232 compatible I/O devices, the D-474 features removable flexible magnetic discs with capacity for 217,000 char in 1000 sectors, and max access time of 1 s/sector. Simplified program control, combined with full I/O buffering, enhances the operational convenience of serial ASCII devices. Dual disc drives are available in the std cabinet; modular design allows direct plug-in expansion for multiple disc file operation. **BRD, Inc.**, Box 10237, Bainbridge Island, WA 98110. Circle 226 on Inquiry Card

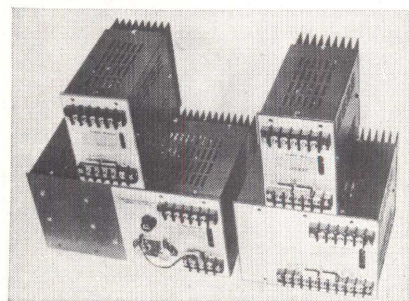
HIGH NOISE IMMUNITY LOGIC ICs

Applicable to all present devices in the company's HiNIL family, changed supply voltage specs permit operation over a 10-

to 16-V V_{CC} range and ease interface with CMOS in systems operated in the upper supply voltage range. Inputs on the devices (AC/CJ—plastic, AL/CL—ceramic) give 3.5-V min noise immunity and provide input protection for CMOS circuits. They also handle higher current/voltage output interface problems. **Teledyne Semiconductor**, 1300 Terra Bella Ave, Mountain View, CA 94043.

Circle 227 on Inquiry Card

SWITCHING REGULATED POWER SUPPLIES



Family of small-size supplies offers from 70 to 80% efficiency, line/load regulation of $<1\%$ with an input voltage of 115 Vac $\pm 15\%$ single phase at 40 to 500 Hz. The 24 incremental output voltages available range from 5 to 30 Vdc at 1.5 to 60 A with $<50\text{-mV}$ pk-pk ripple (5, 9, 12, 15, 24, or 30 Vdc; 50, 100, 150, or 300 W). All models feature overvoltage and overload protection. Remote sensing is std. Multiple outputs in custom packages are also available. **Electro-Module, Inc.**, 2855 Metropolitan Pl, Pomona, CA 91767. Circle 228 on Inquiry Card

200-LINE/MIN. PRINTER



Model 104, a 132-col impact printer, in addition to an acoustically quiet, fully enclosed cabinet and modular electronics, features a self-test switch which allows offline testing for quick system checkout and for correct line-up of preprinted multiple-part forms. The device is plug-to-plug compatible with the company's entire line of printers and interfaces. Foreign language and u/lc char sets are available as are various others which are not available with std full-char printers. **Centronics Data Computer Corp.**, Hudson, NH 03051.

Circle 229 on Inquiry Card