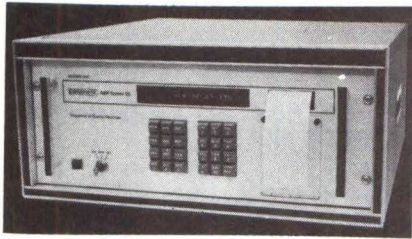


## SEQUENCE-OF-EVENTS RECORDERS



Monitoring the status of many 2-state inputs, the System 22 recorder includes comprehensive, continual, diagnostic self-testing; plug-in emi/rfi filters for noisy channels; redundant input optoisolators; EAROMs; and RS-232 interface. Cable plug-in of an additional input chassis expands it from 32 to 1024 channels in steps of eight. It operates directly from a 125-Vdc station battery.

**Dranetz Engineering Laboratories Inc.**, 2385 S Clinton Ave, South Plainfield, NJ 07080.

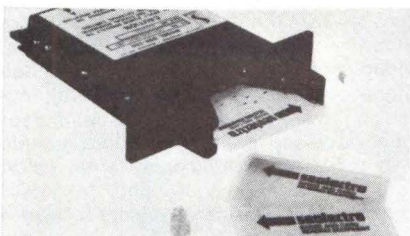
## LOW PROFILE KEYSWITCHES

FES-9 series offers choice of snap and nonsnap action keyswitches, as well as incandescent lamp or LED indication, suited to computer and automatic control systems. Additional variations are reed capsule or solid-state types, momentary or alternate action, and direct panel or adapter mounting. Operating forces are 50 ±15 g at max stroke nonsnap, 70 ±30 g at snap point, 150 g max for lock type, and 90 ±30 g max stroke for nonsnap with LED. **Fujitsu America, Inc. Component Sales Div.**, 910 Sherwood Dr, Lake Bluff, IL 60044.

Circle 221 on Inquiry Card

## SOLID-STATE OPTICAL BADGE READER

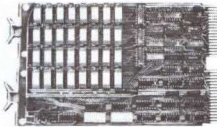
Using GaAs LED light source and photo-transistor sensors, DSR-100 reads std 12-row, 22-col badges or 12-row, 20-col credit cards. Built-in optically generated strobe pulse provides up to 22 pulses for data verification, regardless of badge punching. Sensor outputs are open collector and can be directly interfaced with low impedance TTL or high impedance CMOS logic without intermediate circuitry. All external connections are via 2 20-way ribbon cable connectors. **Programming Devices Div of Sealectro Corp.**, Mamaroneck, NY 10543.



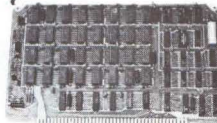
Circle 222 on Inquiry Card

# 64KB MICROPROCESSOR MEMORIES

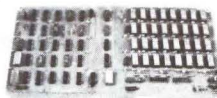
- S-100-\$695.00
- LSI 11 - \$890.00
- 6800 - \$995.00



CI-1103 32K x 16



CI-6800 64K x 8



CI-8080 64K x 8

**CI-S100** — 64K x 8 on a single board. Plugs directly into the IMSAI, MITS, TDL, SOL and most other S-100 Bus computers. No wait states even with Z80 at 4Mhz. Addressable in 4K increments. Power 6 watts. Price \$695.00

**CI-1103** — 8K words to 32K words in a single option slot. Plugs directly into LSI 11, LSI 11/2, H11 & PDP 1103. Addressable in 2K increments up to 128K. 8K x 16 \$390.00. 32K x 16 \$890.00 qty. one.

**CI-6800** — 16KB to 64KB on a single board. Plugs directly into Motorola's EXORcisor and compatible with the evaluation modules. Addressable in 4K increments up to 64K. 16KB \$390.00. 64KB \$995.00.

**CI-8080** — 16KB to 64KB on single board. Plugs directly into Intel's MDS 800 and SCB 80/10. Addressable in 4K increments up to 64K. 16KB \$390.00. 64KB \$890.00.

Tested and burned-in. Full year warranty.



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CIRCLE 88 ON INQUIRY CARD

# ROYTRON™ plug-compatible reader/punch

Desktop combination reader/punch with serial asynchronous RS-232C compatible interface. Designed to operate with a terminal device on the same serial data lines or alone on a dedicated serial line. Reader will generate data at all standard baud rates up to 2400 baud.

Punch accepts data at all standard baud rates up to 600 baud continuous or 4800 baud batch, utilizing a 32 character buffer.

Two modes of operation are provided: *Auto Mode* — Simulates Model ASR 33 Teletype using ASCII defined data codes (DC 1, 2, 3 and 4) to activate/deactivate the reader or punch; *Manual Mode* — Code transparent mode. Panel switches control activation/deactivation of reader or punch and associated terminal device.

Tape duplication feature is provided by setting unit to LOCAL mode.



MODEL 1560-AS

High-speed, compact, with self-contained electronics and power supply. Complete in attractive noise dampening housing.



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CIRCLE 86 ON INQUIRY CARD

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