

STANDARD Custom Keyboards

(OR, AVOID THE \$\$\$ WHOOPS!)



The patented optical switching Series 52 (proven in TEMPEST applications) and the new contact switching Series 55. Two complementary technologies sharing the same attractive enclosure design, for the most cost-effective approach to keyboard prototyping and production ever devised. Regardless of application or quantity.

Our new brochure explains how keyboard layout, codes and logic can be precisely tailored to **your** needs, with no NRE. Ask Fred Hambrecht for your copy, today.

ADI

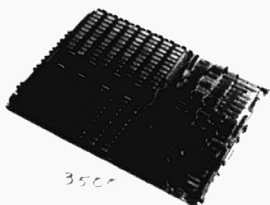
APPLIED DYNAMICS INTERNATIONAL
COMMUNICATIONS PRODUCTS

3800 STONE SCHOOL ROAD • ANN ARBOR, MICHIGAN 48104 • TEL (313) 971-7840
TELEX 23-0238

CIRCLE NUMBER 139

DATA PROCESSING

128-k memory card offers multiple options



EMM Commercial Memory Products, 12621 Chadron Ave., Hawthorne, CA 91250. (213) 614-9881. \$4,995; 13 wks.

The variety of options offered on the Microram 3500 single-card 128 k x 22 semiconductor memory system includes ECC (single-bit error correction and multiple-bit error detection) and word or byte parity generation and checking. The card is also available with page mode, byte mode, error stop and a fault location LED display which operates in conjunction with the ECC option. Provisions have been made for battery backup. When operated in the page mode, the system automatically detects page boundaries. In page mode with a match condition, a cycle time of 270 ns is achievable. A no-match condition yields a 450-ns cycle time. Non-page-mode cycles are completed within 400 ns.

CIRCLE NO. 362

Designer's Choice

for Servo Feedback



Trying to design a piece of equipment around a traditional potentiometer is not always a cost-effective approach. Linkages, linear to rotary motion conversion, redundant housings, shafts, and bearings all add to the cost and bulk of a servo feedback system.

One answer to both cost and bulk is to let Waters design a custom feedback element around your needs. Our years of experience in producing long lived, low noise, accurate linear and non-linear elements can save you time and money. More importantly, you often can achieve performance simply not possible by conventional means.

For more information, circle the reader service number or give Don Russell a call at (617) 358-2777.



WATERS MANUFACTURING, INC.
LONGFELLOW CENTER, Wayland, Massachusetts 01778 • (617) 358-2777

CIRCLE NUMBER 140

Output module handles process control



Wyle Lab, 3200 Magruder Blvd., Hampton, VA 23666. (804) 838-0122. \$345.

The PCO-1A process control output module provides two complete 4 to 20-mA or 10 to 50-mA output circuits in one module. The current range is independently selectable for each circuit, and both outputs are short-circuit protected.

CIRCLE NO. 363