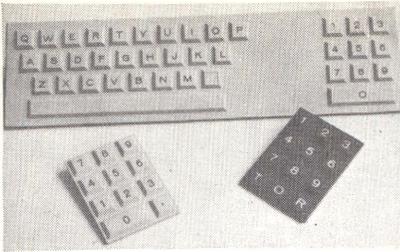


## ENVIRONMENT-PROOF KEYBOARDS

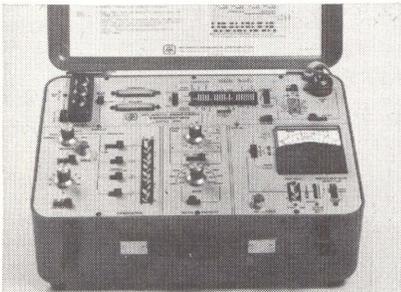


DK-M/MS series are designed for wet, dirty, or abrasive environments. Switching is performed by a patented conductive elastomer technique, whereby the elastomer is flexed through an aperture in a mylar insulation sheet and electrically bridges adjacent precious-metal fingers. Truncated keys and legends are molded in a single sheet of silicone. -M keys are solid for "touch switch" actuation; -MS keys flex for a key travel of 0.08" before switch closure. Switch outputs may be Form A or matrixed. **Flex-Key Corp.**, 18 Sargent St, Gloucester, MA 01930. Circle 253 on Inquiry Card

## DIP DELAY LINES

In a std 14-pin DIP, delays ranging from 10 to 1000 ns are provided with 10 equally spaced taps for delays to 200 ns, 5 taps for longer delays. Delay-to-rise-time ratio is approx 6:1 for delays to 200 ns, 4:1 for 300 to 1000 ns. Impedance is 50 to 500  $\Omega$ , and op temp range is -55 to 125°C. Units are designed to meet applicable portions of MIL-D-23859 and are supplied for both military and commercial applications. **ESC Electronics Corp.**, 534 Bergen Blvd, Palisades Park, NJ 07650. Circle 254 on Inquiry Card

## PORTABLE DATA COMMUNICATIONS TEST SET



Operating asynchronously or isochronously, Datic 9500 transmits up to four switch-selectable chars for terminal addressing and four 64-char test messages (Baudot, ASCII, EBCD, and EBCDIC). Signal distortion may be introduced and measured. At speeds to 9600 baud, unit also tests selectable-line-length printers. Any char may be selected and, when detected, a trap light is illuminated and the next char displayed on LED bit lights, thus giving verification of multiple-char responses. **Atlantic Research Corp.**, 5390 Cherokee Ave, Alexandria, VA 22314. Circle 255 on Inquiry Card

## SCIENTIFIC CALCULATOR PLUG-IN CIRCUIT BOARD

A 22-pin, double-sided PCB plug-in module designed around an MPS-2529-002 scientific calculator chip, the SC-440 contains all interface circuitry necessary to access chip computing capability through external circuitry. The externally programmable board accepts ASCII inputs and has multiplexed BCD outputs; 3-state inputs and outputs provide easy access on a common data bus. It functions as microprocessor satellite or standalone calculating programmable controller/computer. **Scarpa Laboratories, Inc.**, 46 Liberty St, Brainy Boro Station, Metuchen, NJ 08840. Circle 256 on Inquiry Card

## INTERACTIVE GRAPHIC DISPLAY STATION

Designed to operate with any Data General computer system, 1110 is an intelligent video storage terminal that provides easy viewing under amb lighting conditions. Any portion of the display may be selectively erased from the screen—a 21", high resolution, long life tube. Computer-generated commands are displayed on the screen; a prompting message guides the operator in making the proper command choice from fixed-tablet and dynamic electronic menus. **Algorex Data Corp.**, 6901 Jericho Tnpk, Syosset, NY 11791. Circle 257 on Inquiry Card

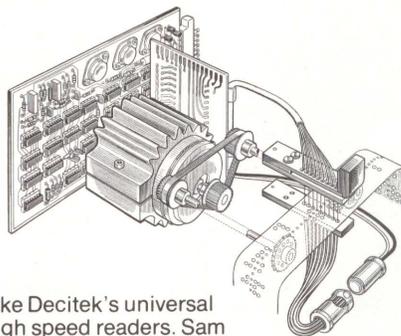
## BI-PHASE DECODER

Featuring variable-speed, asynchronous operation for use with bi-phase coded data, the UBISYN decoder module accepts data at random rates from printed bar code, magnetic stripes, or transmitted data. The unit decodes while the bit rate is varied over a 100,000% range, allowing the use of hand-held wands, and is universally compatible with std and non-std alphanumeric char codes, fixed- or variable-length words, and random binary-data streams. **Digital Technology Group, div of Bitell Systems, Inc.**, 31218 Pacific Hwy S, Federal Way, WA 98002. Circle 258 on Inquiry Card

## CRYSTAL-CONTROLLED OSCILLATORS

CMOS-compatible, low-power voltage, and resistor-controlled temp-compensated oscillators as well as clock-type and oven-controlled devices are included in the line of TCXOs available in package sizes as small as 1.2 in.<sup>3</sup> and in temp ranges from -30 to 85°C. Output options include sine wave, square wave, TTL and CMOS compatible. All units are guaranteed to age <1 x 10<sup>-6</sup>/yr, and, with the exception of the oven-controlled units, require no warm-up time. **Microsonics, a div of Sangamo Electric Co.**, 60 Winter St, Weymouth, MA 02188. Circle 259 on Inquiry Card

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