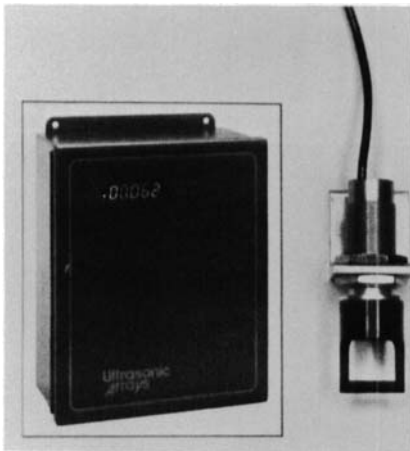


New Products



ULTRASONIC GAGING SYSTEM

A new noncontact ultrasonic gaging system, the Model DMS-1000, has been designed to measure distance, position and thickness to an accuracy of ± 0.001 in. Measurements can be obtained from most materials—solid, liquid or soft—at ranges from 0.2-23.99 in. It can be used as a stand-alone gaging system or as a closed-loop process-control system. **Ultrasonic Arrays, Inc.** 72

INTERVAL CALIBRATOR

The new HP J06-59992A time-interval calibrator is said to offer measurements accurate to better than 100 ps when used with the HP 5370B universal time-interval counter. In addition, these measurements are traceable to the National Bureau of Standards. The time-interval calibrator reduces systematic uncertainties from HP 5370B. This reduction, combined with averaging techniques in the HP 5370B, reduces random errors and can improve the accuracy of time-interval measurements, the company states. **Hewlett Packard.**

110

DESIGN SOFTWARE

The new DesignScope is a software program designed to allow engineers to develop electronic block diagrams on-screen, assign parameters to the various blocks and run a simulation of the system while viewing the resultant wave forms without having to design any component circuitry. The program

features design-validation which adds speed and productivity to the process of analyzing, designing, building, testing and redesigning circuitry. **BrainPower.**

118

MEASURING SYSTEM

A new noncontact-ultrasonic thickness measuring system has been designed to overcome instability problems traditionally associated with airborne ultrasonic measuring equipment by operating at much higher frequencies and by incorporating an external reference to remove the effects of temperature. The highly accurate system will measure virtually any material—color, transparent, opaque, soft or hard—to ± 0.002 in. The system has been designed to perform reliably in harsh industrial environments. **Ultrasonic Arrays, Inc.**

86

For more information regarding these products, circle number on Reader Information Card.

PORTABILITY PLUS PC COMPATIBILITY IN A 14-CHANNEL DATA RECORDER



KYOWA 650A and 610A: Twice Normal Bandwidth in Analog Mode

Seven speeds from 15/32 to 30 ips—a 1:64 conversion ratio (650A only).

Video cassette convenience. Beta format, PCM recording with optional amplifier.

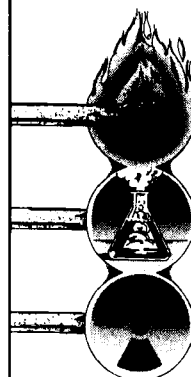
Stand-alone A/D converter also available. 16-48 ch, software-controllable.

Other models: 7 to 21 channels available, from 0.16 cu. ft. Call or write:



10 Reuten Drive, Closter, NJ 07624

For details, circle No. 15 on Reader Information Card



Now you can measure strain, load, temperature and pressure in harsh environments.

Our expanding line of physical measurement devices now includes load cells and other transducers offering all these capabilities:

- Strain Gages: cryogenic to 1500°F.
- Load Cells: cryogenic to 700°F and 50,000 lbs. Completely sealed.
- Pressure Transducers: cryogenic to 700°F and 25 Kpsig. Internal cavity sealed.
- Weldable Thermocouples: types K, J, E and T with integral cables. Hermetically sealed.

They're tougher than any corrosive, nuclear or high-temperature environment. And all are available off-the-shelf. For new data sheets, call:

Eaton Corporation
Automation Products Division
5340 Alla Rd., Los Angeles, CA 90066
(213) 822-3061 • TWX (910) 343-6969



For details, circle No. 16 on Reader Information Card