

New Literature

■SHOCK-/BLAST-WAVE SENSORS

A new four-page catalog, SQ-584, provides technical data and test results for the manufacturer's 'Susquehanna' shock- and blast-wave sensors, a state-of-the-art 0.1-microsecond rise time tourmaline shock-wave transducer and a dynamic calibration-transfer standard. The sensors are offered in both charge- and voltage-mode configurations for driving long cables in field and underwater environments. PCB Piezotronics, Inc., 3425 Walden Avenue, Depew, NY 14043. **114**

■CUSTOMER TEST SERVICES

A four-page brochure outlines the manufacturer's customer test services which include performance and environmental-fatigue testing on a wide range of customer-supplied products. This testing utilizes electrohydraulic closed-loop systems in such areas as ultimate strength, vibration, pressure cycling, fatigue and proof pressure. The manufacturer provides the equipment, facilities and personnel to test to customer specifications; they can also supply fixturing for previously untested kinds of parts. Pegasus, 2890 John R. Road, Troy, MI 48084. **120**

■COMPUTER WORKSTATION

A brochure describes a new computer workstation called 'WISDOM' that combines microcomputer flexibility with mainframe processing power. WISDOM (workstation interactive system designed to operate with mainframes) is a desktop engineering workstation capable of solving complex analytical engineering problems, states the manufacturer. The workstation's batch, independent and interactive features enable one-key connection to the manufacturer's system of CDC, IBM and Cray computing power as well as access to a wide range of engineering and applications software. Babcock & Wilcox, P.O. Box 1260, Lynchburg, VA 24505. **106**

■THERMAL-ANALYSIS TECHNIQUES

A new 20-page brochure describes state-of-the-art thermal-analysis techniques used to characterize and evaluate electronic materials. The report presents tables to summarize the most commonly used techniques and their applications in the electronics industry. These applications include printed-circuit boards, encapsulants, solder, liquid crystals and piezoelectric materials. DuPont Company, Concord Plaza, Quillen Building, Wilmington, DE 19898. **122**

■INJECTION-MOLDING RECORDER

A new, four-page illustrated data bulletin, 10.6825, introduces the Type 6825 injection-molding recorder which is designed to optimize the injection-molding process and to diagnose the faults in machines by measuring mold cavity and hydraulic pressures. According to the bulletin, the new recorder's double trace allows for comparison of the two pressures. This precise measurement of the pressures in the mold cavity and in hydraulics is said to yield information which can be used to achieve shorter trial-injection times, constant weight and dimensions, higher productivity, and optimal gating in the tool. Kistler Instrument Corporation, 75 John Glenn Drive, Amherst, NY 14120. **100**

■SIGNAL GENERATOR

New-product note PN8683/4-2, entitled 'Performance and Applications of the HP 8683D and HP 8684D Microwave Signal Generators,' describes the portable 2.3-18 GHz generators in greater detail than previous literature. The note shows that the generators' typical performance is considerably better at room temperature and under other low-stress conditions than warranted by the device's conservative specifications. In addition, the note expands on the specifications, covering the special considerations involved when using passively doubled signals, as well as the effects of the generators' optional post amplifiers which provide 10-mW output levels. Hewlett-Packard Company, 1820 Embarcadero Road, Palo Alto, CA 94303. **108**

■REAL-TIME OPERATING SYSTEM

A new 12-page brochure describes the EIS-110 real-time operating system for microprocessor-based instrument and control systems. The EIS-110 enables equipment and systems manufacturers to achieve significant technical, time-saving and economic benefits in their microprocessor-development programs, states the brochure. The system can serve as the basis for a complete microprocessor-based package that also includes applications software for a specific instrument or control system. Electronic Information Systems, Inc., 360 Fairfield Avenue, Stamford, CT 06902. **104**

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