

## PXI Products for Hybrid Test Systems Inroduction Applications



Keithley Instruments, Inc. introduced a line of PXI products designed for high-speed automated production testing as part of a hybrid test

system using precision instruments. The KPXI product line consists of simultaneous data acquisition boards, multifunction analog I/O boards, high speed analog output boards, a 130 MS/sec digitizer module, digital I/O modules, PXI chassis, embedded PC controllers, MXI bridges (for remote PC control) and GPIB interface cards. The PXI products include software examples and drivers that work with LabView, Microsoft.net, Visual Basic and C programming languages. Module list prices start at low as \$325, embedded controller prices at \$2,795 and chassis prices at \$999.

**Keithley Instruments, Inc.**  
800-688-9951, [www.keithley.com](http://www.keithley.com)

## Spectrum Analyzer Offers WCDMA Measurements

Anritsu Company introduced its MS2717A Economy Spectrum Analyzer that offers general-purpose spectrum analysis in the 100 kHz to 7.1 GHz frequency range. In addition to its performance and capabilities in analyzing RF components used in the wireless, aerospace/defense and university markets, it also offers optional WCDMA/HSDPA RF test and WCDMA detailed demodulation measurements for characterizing wireless Node-B transmitter components. Its phase-noise performance is typically -110 dBc/Hz SSB at 10 kHz with offsets up to 6 GHz so that it measures most wireless local oscillators and synthesizers. The device is suitable for verifying RF components in 3G, TD-SCDMA, WiMAX, WiBro and other wireless technologies. It can also be configured to provide affordable test of Node-B transmitters. With options, the signal analyzer mode frequency ranges are 824 MHz to 894 MHz, 1710 MHz to 2,170 MHz, and 2,300 MHz to 2,700 MHz. The price is less than \$12,000.

**Anritsu Company**  
408-778-2000, [www.us.anritsu.com](http://www.us.anritsu.com)



## Complete Product Development Kits

JEM Innovation introduced a line of product development kits (PDKs) for prototypes or short production runs. All major components fit together without machining, reducing time to market. Each PDK includes a machined ready-to-go enclosure with assembly hardware; a backlit LCD module; a membrane keypad (with clear keys so users can insert their own custom placard); an assembled and tested PCB with a powerful RISC processor (ATmega128), temperature sensor, RS-232 driver; and a large prototype area for the user's own through-hole and SMT components. The user adds the circuitry their application requires, and can then start software development (code samples available). Kits are available for handheld, industrial control and remote terminal applications.

**JEM Innovations**  
303-926-9053 [www.pdksolutions.com](http://www.pdksolutions.com)



## Graphical System Design Software Includes Real-Time Multicore Support

National Instruments announced the LabVIEW 8.5 graphical system design platform for test, control and embedded system development. This version combines the familiar programming environment with commercial multicore hardware to achieve performance gains. Additionally, it introduces the LabVIEW Statechart Module for higher-level designs to run on targets including FPGAs, real-time systems, PDAs, touch panels and a variety of microprocessors, via add-on functionality giving engineers an alternative to designing systems with a high-level diagram based on the Unified Modeling Language (UML) standard. Embedded developers can use the module to design software combined with real-world I/O running on deterministic real-time or FPGA-based hardware with familiar, high-level statechart notations.

**National Instruments**  
800-258-7022 [www.ni.com](http://www.ni.com)



## Power Analyzers Provide Basic Accuracy, Volts and Current of ~0.07 Percent



XiTRON's 2801 advanced single channel power analyzers are designed for use in engineering and on R&D benchtops, as well as in critical manufacturing and production testing environments. The instruments provide a dynamic range measuring >150 Apk and 2,000 Vpk, but also measuring down to <1 mA and 1 Vrms while maintaining 0.1 percent accuracy at these low levels. The instrument includes an integrated line switch, AC or DC, which can be controlled from the front panel from user I/O or through various communications interfaces. This switch, combined with graphical in-rush waveforms and startup screens, provides the user with a profile of the startup of their product/system. The analyzer also provides graphical history charts of a large number of parameters in time periods of a few milliseconds to hundreds of hours. The analyzer has DC charge and discharge measurements useful for power supply, battery and capacitor manufacturers.

**XiTRON**  
858-530-8099, [www.xitrontech.com](http://www.xitrontech.com)