

The New Products From The Entire Electronics Industries

Aeroflex adds WLAN 802.11ac Signal Generation and Analysis Capability to S-Series Product Line

Aeroflex Limited announced that it has added IEEE 802.11ac capability to its S-Series RF signal generator and analyzer product line. First introduced in 2010, the S-Series offers top-of-the-range performance at a mid-range price.

Designed for use by engineers in wireless local area network (WLAN) research, design, and manufacturing, the new 802.11ac capability is available for the SGD RF digital signal generators (Option 119) and the SVA vector signal analyzers (Option 110).

The S-Series product line's standard features include the industry's widest bandwidth at 200 MHz; level and frequency settling times that are 5X faster than competitors at 100 μ s; and very low phase noise performance (-135 dB/Hz at 1 GHz, 20 kHz offset). Combined with its 4U height and half-rack width, the S-Series is the most cost-effective combination of standard features and performance in a compact instrument.

The S-Series' wide bandwidth is ideal for WLAN R&D. For manufacturing, the fast settling times enable rapid device throughput. The large touch-screen and innovative user interface make complex measurements quick and easy. Using Aerolock™, the S-Series instruments can be locked together to build complex test set-ups. Two instruments are combined within a width of 19", allowing both transmit and receive functions in one small space.



Customers praise the S-Series for reducing the total time spent—from setting up the measurement—to obtaining meaningful results.

For more information and pricing, contact Aeroflex Sales at (800) 835-2352 or info-test@aeroflex.com.

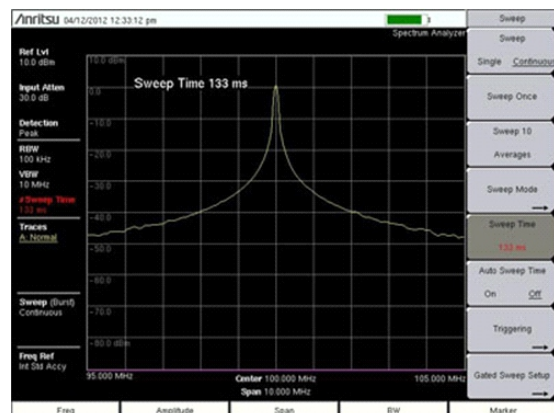
Anritsu Company enhances Burst Detection

Anritsu Company introduces a burst detection enhancement for its MS272xC Spectrum Master handheld spectrum analyzer that makes it much easier for field engineers and technicians to find narrow signals that may cause interference and adversely affect the performance of wireless networks. The Burst Detect mode extends the industry-leading performance of the MS272xC Spectrum Master analyzers, which feature the industry's first 32 GHz and 43 GHz models, giving users powerful test tools for their field requirements.

Burst Detect 10MHz

As many as 20,000 measurements per second – thousands of times faster than a normal FFT – can be made with the new Burst Detect method. The result is that users can see 200 microsecond pulse trains every time, making it much easier to find burst signals, such as those generated by improperly installed cell phone boosters.

The fast measurement time and subsequent ability to detect burst signals missed by other handheld

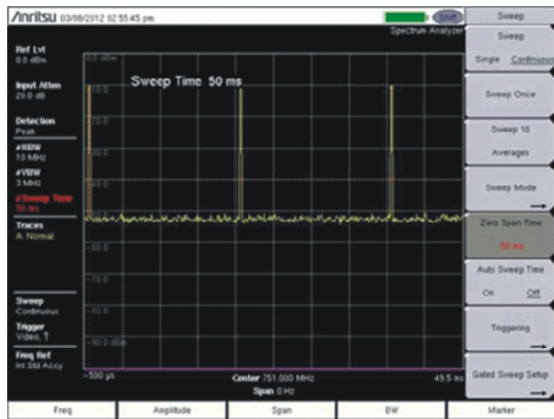


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spectrum analyzers is achieved, in part, by the ability of the MS272xC to conduct a “Max Hold” function in hardware. For every display update, the Max Hold is reset, making it possible to see changes in the signal. All trace modes, including Max Hold, Min Hold and Average, are available with this new Burst Detect method.

Burst Detect Zero Span 50ms sweep

Combining 30 analyzers in a single instrument that offers leading performance, including resolution bandwidths from 1 Hz to 10 MHz, advanced

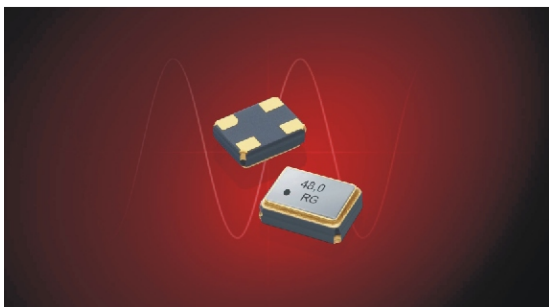


triggering, and a 30 MHz zero-span IF output, the MS272xC family provides wireless professionals with the analysis capability necessary to meet the most demanding measurements. Whether the application is spectrum monitoring, hidden signal detection, RF/microwave signal measurements, microwave backhaul testing or cellular signal measurements, the Spectrum Master MS272xC family has tools to make the job easier and more productive.

For more information, visit www.anritsu.com.

The Miniature Oscillator

Under the model name of KXO-V96, GEYER ELECTRONIC is launching an additional miniature oscillator. Though the small dimensions of 3,2 mm



x 2,5 mm, this SMD oscillator is especially shock and vibration resistant. Additionally, the large frequency range of the KXO-V96, which starts at 1 MHz and extends to 133 MHz, is impressive. Compared to a solution with oscillating crystal and condensers, the footprint is decreased by an order of magnitude at low frequencies through use of this miniature oscillator. Furthermore, oscillators may be quickly and reliably applied in the entire operating range.

The input voltage is 1,8V, 2,5V, 3,0V or 3,3 V. Of particular note are the small jitter values, as with all true quartz oscillators. Using the tristate function, the oscillator may be powered on and off. Operating temperatures up to +85°C are possible. The KXO-V96 conforms to RoHS and may be soldered without lead in accordance with J-Std-020D. One reel contains 1000 pieces; however, smaller lots are deliverable (from 100 pieces).

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GOEPEL electronic extends Product Range with Boundary Scan I/O Module for 30 V

GOEPEL electronic introduces the SFX5212, another I/O module within the frame of the company’s Boundary Scan hardware platform SCANFLEX®. The new SCANFLEX® module family member provides independently programmable I/O channels, and is able to process voltages up to 30 V. Additionally, it offers the well-proven VarioCore® technology for dynamic configuration of module-specific FPGA based functions. Utilizing the SFX5212 provides users the opportunity to increase test coverage for non-Boundary Scan circuits or peripheral signals with



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higher signal voltage by combining structural and functional test procedures on a single platform. In addition to increasing test quality, test costs can be reduced by saving separate process steps.

The SFX5212 provides 12 channels with a driver performance of up to 150 mA, independently programmable as input, output or tri-state. The I/O voltage may be programmed onboard or externally supplied. The module is controlled TAP independent via the SCANFLEX® internal, parallel bus. If more channels are needed, several modules may be cascaded with no problem.

VarioCore® offers the opportunity to reconfigure the SFX5212 on IP basis for nearly unlimited functionality. This reconfiguration is executed dynamically in split seconds controlled by GOEPEL electronic's JTAG/Boundary Scan software platform SYSTEM CASCON™, whereby the number and sequence of reconfigurations are unlimited within a test run.

While the module acts statically in the Boundary Scan mode, supporting all procedures such as interconnection test or cluster test, the functional mode provides opportunities like protocol generator, data recorder or counter/timer, to name just a few.

SFX5212 is fully supported in the integrated JTAG/Boundary Scan software SYSTEM CASCON™, incl. Automatic test program generation (ATPG), debugging and pin-failure diagnosis from version 4.6.1 on. It can be combined with all SCANFLEX® controllers and TAP transceivers. Furthermore, the module can be used with all additional test technologies such as Processor Emulation Test (PET) or Chip embedded Instruments within the framework of the pioneering Embedded System Access (ESA) philosophy.

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New Solar PV Test Kit

The latest solar PV test kit from Seaward Solar enables contractors to meet international electrical commissioning and system safety requirements quickly, thoroughly and effectively.

The new Solarlink Test Kit includes all the necessary test equipment and datalogging capabilities needed to perform pre-installation site surveys and



measure the electrical safety and performance of PV systems in line with BS EN 62446.

The kit combines the comprehensive electrical commissioning test capabilities of the new PV150 solar installation handheld tester with the advanced Solar Survey 200R multifunction PV survey meter.

Special wireless Solarlink connectivity between the two instruments enables real-time irradiance to be displayed and measured at the same time as electrical testing is being undertaken. This means that irradiance, module and ambient temperature can be recorded in real time within the PV150 as the electrical tests are conducted.

Once testing is completed, the USB download of time and date stamped test results, irradiance and temperature measurements provides full traceability and speeds up the completion of PV system documentation and customer handover packs.

In addition to solar PV system installation and commissioning, the new Solarlink Test Kit is ideal for conducting site surveys of potential installations, by quickly providing the information needed to calculate estimated annual solar irradiation and system yields of PV and solar thermal systems, as described in SAP 2009, Appendices H and M.

As well as the PV150 and the Solar Survey 200R and associated calibration certificates, the comprehensive kit includes an AC/DC current clamp, MC4 and Sunclix test lead adaptors and test probes – with a quick start instruction guide and video.

For more details contact:

The Tinsley Group Ltd.

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New Reed Relay Mate from Pickering Electronics

Pickering Electronics has published the Reed RelayMate – a new publication which looks in detail at Reed Relays. It describes how reed relays are constructed, what types there are and how they work. Our relay experts explain temperature effects, magnetic interaction and other factors that can affect their operation. A comparison is made with other relay technologies and advice given on how to choose the correct relay for the application. The Reed RelayMate is available free of charge



from Pickering Electronic's website www.pickeringrelay.com and is available as printed copy or PDF format.

"Schneider" Introduces Enclosures for Power, Control and Automation

Schneider Electric's Universal Enclosures are developed with 50 years experience as leading specialists in the design, manufacturing and marketing of enclosure systems that manage installation and protection of automation and electrical devices while ensuring protection and safety in all types of environmental conditions. These are made in our world class manufacturing plants to ensure it meets the IEC 62208, 60529 and 62262 standards.

Schneider Electric - Universal Enclosures product range comprises of the following.



1. Special - Metal enclosures and boxes: Wall Mount and Floor Standing Enclosure in Steel (CRCA) & Stainless Steel, ATEX Complied enclosures and EMC shielded enclosures etc.

2. Thalassa - Insulating enclosures: Thalassa offer, from boxes to floor-standing enclosures, made in fiberglass-reinforced polyester, resists in hard conditions and outdoor applications. Thalassa industrial boxes in ABS or polycarbonate are strong, easy to install and designed to be used in highly demanding environments.

3. ClimaSys - Thermal management With Climasys offer you can find the right solution, be it Ventilation, Cooling or Heating, including control units for temperature, humidity and much more.

These products have wide range of applications in Power, Solar, Wind Energy, Oil and Gas, Cement, Paper, Process, Dairy, Pharmacy, Steel, Machine building, Building & Infra Industry etc.

Typical applications for the Universal enclosures are Junction boxes, Terminal box, Star delta starters, MCCB housings, DCS and Automation panels, Control Panels, Power distribution boards, Telecom Krone box, ODDB, Construction site distribution boards, Push button stations, Repeater Panels, Bus bar enclosures and other customized solutions.

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