

PRODUCT UPDATE

To easily get more information on the products listed, please visit www.SandVinfo.com, select the July issue and enter RS numbers of interest.

APEX SL Vibration Controller



APEX SL vibration controller features a slim-line chassis housing up to 16 input channels, USB 2 connectivity, 24-bit A/D input/output resolution with IEPE current source, and 120 dB input dynamic range (typical). Software is available for sine, random and shock testing, along with advanced modes Sine on Random.

RS #221
Unholtz-Dickie

www.udco.com

Water- and Dust-Resistant Mic System



PCB's water- and dust-resistant, prepolarized array microphone system, Model 130A24, is designed for harsh applications and environments. With an acoustically transparent, replaceable, water- and dust-resistant cover, it is ideal for applications where moisture, oil splash, and contamination are a concern.

RS #225
PCB Piezotronics, Inc.

www.pcb.com/acoustics

Measurement Partner Suite



Measurement Partner Suite is a data viewing and post-processing toolbox for environmental noise and vibration professionals; offers quickest route from measurement to finished report. Standard configuration, free to all users, provides data archiving, preview, and export capabilities, along with software maintenance and remote online display.

RS #229
Brüel & Kjær

www.bksv.com

Wireless Analysis Anywhere



Four input channels, one tachometer channel. Built-in Wi-Fi. iPad compatible, PC-independent. Weighs only 18 ounces. Six-hour battery life. 4 GB flash memory. FRF, octave, order tracking, time waveform recording, shock response spectrum.

RS #230
Crystal Instruments

www.crystalinstruments.com

XL2 Spectral Limits Option



Adding the Spectral Limits option to the NTI XL2 acoustic analyzer adds an ISO 1/6 and 1/12 octave RTA function and supports all standard international standards for noise curve measurements in rooms. (NC, NR, etc). The XL2 then shows the noise spectrum mapped onto the appropriate limiting noise curve number.

RS #222
NTI Americas Inc.

www.nti-audio.com

Signalysis IQC Production Test Systems



Signalysis IQC Production Test Systems are designed to perform 100% product inspection or NVH-related defects. Signalysis test systems use traditional NVH laboratory test methods for modal, sound quality, gear/bearing noise to design specific objective metrics that will eliminate other objectionable noise complaints.

RS #226
Signalysis

www.signalysis.com

Low-Cost Vibration Test Systems

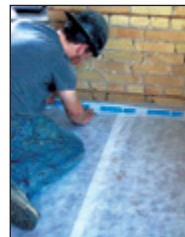


100 lbf system \$7,410, complete with vibrator, base, blower, linear low-distortion amplifier, all cables and hoses. Low-cost digital controller converts PCs to powerful vibration controllers. As low as \$5,995 for sine. \$7,990 for new complete 4-channel control package.

RS #231
Vibration Test Systems

www.vts2000.com

Sound Solutions from Maxxon



With 10 levels of sound control and hundreds of documented sound tests, Maxxon has the proven solution for every project. Acousti-Mat Superior Sound Control Systems install easily, and eight of the mats are considered "green" building materials, containing 40% pre-consumer recycled content.

RS #223
Maxxon Corp.

www.maxxoncorporation.com

Properties of Acoustical Materials



Spectronics' ACUPRO system takes the guesswork out of using sound-absorbing materials. Make your own measurement of sound absorption or transmission loss; don't rely on suppliers' data any longer. Use your DAQ system or one we supply.

RS #227
Spectronics, Inc.

Tel: 859.321.1843
www.spectronics.net

Web-Based Vibration Monitoring



VibDash is a web-based monitoring platform offering an intuitive overview of your machinery health. The color-coded hierarchy allows you to quickly determine your plant status, view trends and perform analysis even from a phone or tablet.

RS #232
Alta Solutions, Inc.

Tel: 877.258.2765
www.altasol.com

Complete Acoustical Ceiling Solutions



Rockfon® provides acoustical ceiling panels, planks, baffles, islands and Chicago Metallic® suspension systems. Stone wool panels have up to a NRC 0.95 and CAC 43. Metal panels can be solid for reflection, curved for diffusion or perforated for absorption.

RS #224
Rockfon, LLC

www.rockfon.com

Prevent Over- or Under-Testing



Announcing iDOF™ – Vibration Research's newly patented test module that protects products during vibration testing. iDOF works with real-world data to produce a smooth line in seconds. Over-testing situations are flagged almost immediately. Safeguard your products today.

RS #228
Vibration Research

Tel: 616.669.3028
www.vibrationresearch.com

Slim, Center-Hole Triaxial Accelerometer



Type 8764B triaxial, ceramic, shear sensor offers slim, lightweight, center-hole mount; allows flexibility for 360° orientation. Available in 50 g or 100 g ranges; ground isolated and offers high signal integrity for applications, such as automotive NVH, durability testing or space environmental testing.

RS #233
Kistler Instrument Corp.

Tel: 716.691.5100
www.kistler.com

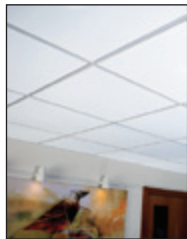
Wireless Noise Dosimeter – Bluetooth 4.0



dBadge2™ personal noise dosimeter sends data to smartphone or tablet. Monitor multiple worker exposures remotely without interruption. Configurable color display, built-in motion detector and rugged IP65 housing. Optional event audio recording and octave band. Captures every combination of metrics to meet all exposure regulations.

RS #234
Casella CEL, Inc. www.casellausa.com

Micro-Perforated Ceiling / Wall Panels



Silk Metal ceiling tiles are state-of-the-art micro-perforation technology sound absorbers with an elegant, smooth appearance, perfect for conference rooms, restaurants, theaters, clean rooms; any application requiring sound absorption. Easy installation and maintenance. NRC rating of 0.80. Tel: 800.854.2948

RS #239
Acoustical Surfaces, Inc www.acousticalsurfaces.com

PULSE Reflex Measurements



PULSE Reflex™ real-time measurements are designed to take advantage of B&K's unique coverage of the complete measurement chain, from transducers and front-end hardware to data acquisition, analysis and reporting. The emphasis is on scalability, from small to large systems, and high productivity. Tel: 800.332.2040

RS #244
Brüel & Kjær www.bksv.com

Spectral Dynamics Shakers



Spectral Dynamics, a trusted name in vibration testing for more than 50 years, now offers a complete line of electrodynamic shakers and shock testing machines. For modal, MISO or MIMO, we have shakers from 12 pounds to 12 tons of force – or more

www.spectraldynamics.com

RS #235
Spectral Dynamics, Inc.

High-Performance Test Chambers



Eckel's high-performance and quality-engineered anechoic chambers, hemi-anechoic chambers, reverberation rooms and SuperSoft® chambers provide the ideal environment for conducting accurate acoustic measurements. Pictured: The recently installed Eckel anechoic chamber at the Whirlpool Corporation.

RS #240
Eckel Industries, Inc. www.eckelusa.com

Complete Noise Monitoring System



SoundExpert LxT kit includes meter, EPS042 protection case, EPS2116 microphone protection shroud, 10-ft. cable, and alkaline D batteries, making the system smaller and lighter. Easily transport, deploy, measure, retrieve, download, and issue reports while avoiding expense of shipping heavy batteries and recharging.

www.larsondavis.com

RS #245
Larson Davis

SQobold – Unmatched Portability



SQobold offers the utmost in portability for sound and vibration recordings and analyses; no need to lug along a tablet. Four channels of data input includes onboard GPS and video inputs for further documentation. Functions include sound level measurement and various analyses such as FFT, octave, specific loudness and sharpness versus time.

www.headacoustics.com

RS #236
HEAD acoustics

Digital-Ready USB Accelerometer



Digiducer offers a fully integrated high-resolution, broad-frequency piezoelectric accelerometer with internal digital data acquisition. It makes plug-and-play vibration measurements as simple as recording standard audio on your smart phone, tablet or PC. Digiducer offers a flat response to 8 kHz with ± 20 g range. Vibration testing simplified.

www.digiducer.com

RS #241
Digiducer, Inc.

Air-Cooled, 3-In.-Stroke Shaker Systems



K-Series vibration Test systems are rated up to 17,000 lbf sine, 16,000 lbf random, and 34,000 lbf shock. They are the only systems in this range that are 100% air cooled. All systems available for vertical and horizontal testing and can be outfitted with a guided or unguided head expander.

www.udco.com

RS #246
Unholtz-Dickie

Brüel & Kjær Online Store

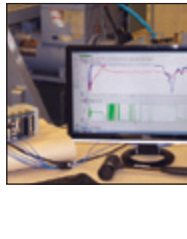


Ordering your sound and vibration solutions just got easier with the new online store. It provides a more convenient way to buy hundreds of B&K's most popular products and services. Register now and enjoy the ease of your Brüel & Kjær online shopping experience. Tel: 800.332.2040

store.bksv.com

RS #237
Brüel & Kjær

Introducing DSA 2.9



DSA 2.9 is a mixed-signal acquisition and analysis tool for sound and vibration projects, plus a means to include strain, torsion, current, temperature and more. DSA 2.9 is written on top of the National Instruments Sound and Vibration Toolkit and will utilize a range of NI's data acquisition products. Tel: 248.935.4237

www.signalxtech.com

RS #242
Signal.X Technologies

QuietTile Acoustical Ceiling Tile



QuietTile sound engineered lay-in ceiling panels improve speech privacy and reduce noise intrusion. Tile provides a high CAC rating, 49-51, to block sound while maintaining the NRC rating for sound absorption. Tiles are installed in standard ceiling grid and can be matched to most acoustical ceiling tiles. Tel: 877.457.2695

www.kineticsnoise.com

RS #247
Kinetics Noise Control

Preamplifiers for Constrained Spaces



PCB Piezotronics introduces 1/4- and 1/2-inch diameter, short microphone preamplifiers. These are used for taking measurements in spaces where traditional microphone systems won't fit due to space constraints. These preamplifiers can be paired with free-field, random-incidence and pressure microphone cartridges.

www.pcb.com/acoustics

RS #238
PCB Piezotronics, Inc.

Dynamic Data Recorders



TEAC LX-100 series features selectable 24/16-bit resolution and uses any capacity flash-memory cards. DC, IEPE and strain input, analog and digital output, LAN-Ethernet interface, and multi-unit record sync. LX also functions as a front end for direct PC HDD recording. Contact: 978.468.4135 or

info@tritekdatasystems.com

RS #243
Tritek / TEAC Data Recorders

900 Series Signal Analyzer



The 900 Series integrates comprehensive signal analysis capabilities with a new distributed real-time signal processing engine to provide extraordinary dynamic testing capabilities. Compact and rugged, it can be used in field and lab applications. With modular, gigabit Ethernet architecture, systems can be expanded to over 1000 channels for lab use.

dataphysics.com/900

RS #248
Data Physics