

The Lab

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Acoustics Today welcomes items for “The Lab.” Submissions of about 250 words that may be edited in MS Word or plain text files should be e-mailed to AcousticsToday@aip.org. Graphics must be at least 300 dpi, preferably in TIF format. Text and graphics must be sent in separate files.

Vibration Exposure Assessment and Management

March 24, 2006, Provo, UT, USA – Larson Davis has introduced the Human Vibration Meter (HVM) utility software, known as HVManager™, for Vibration Exposure Assessment and Management, designed to provide instantaneous tool assessments to all new standards, including the Health & Safety Executive recommended points system; EU physical agents directive 2002/44/EC; ISO 5349; and ISO 2631. With an easy to use Graphic User Interface (GUI) and one click of a button, HVM 100 data can be downloaded directly from the instrument and saved into a tool database. This permits vibrating equipment users and manufacturers to create databases of HVM100 Human Vibration Meter measurements for hand-arm and whole-body vibration. Daily vibration exposure for a worker using multiple tools for varying activities can then be generated in a single report. For more information, visit www.larsondavis.com



Free Field 1/4" ICP™ Microphone

March 1, 2006, Depew, NY, USA – The Vibration Division of PCB Piezotronics, Inc. (PCB®) introduces Model 377B01 prepolarized, 1/4" Free Field response-type microphone which operates from ICP® sensor power. The distinguishing feature of this model is its enhanced frequency rating of 90 kHz (+/- 2 dB.) It has a sensitivity rating of 3 mV/Pa and a wide dynamic range (30 to 166 dB(A) re 20 µPa). This microphone has a 120 °C operating temperature range.

This model is one of a full series of modern, pre-polarized, condenser microphones and preamplifiers available from PCB. Powered by a 2 to 20 mA signal conditioner and standard coaxial cables, these modern designs allow for significant savings in power supply and cabling cost, greater ease-of-use and operate from the same power required for ICP® accelerometers. This provides the advantage of using microphones with ICP® accelerometers in the same test, with the same signal conditioning equipment, minimizing set-up time. For additional information, visit www.pcb.com.



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