

# Instrumentation

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*Acoustics Today* welcomes contributions for “Instrumentation.” There is no charge for this service. Submissions of about 250 words that may be edited in MSWord or plain text files should be e-mailed to <acousticstoday@aip.org>. Graphics must be at least 300 dpi. Please send the text and graphics in separate files.



The IMI Sensors division of PCB Piezotronics (PCB®) has released Series 686B USB Programmable Smart Vibration Switch, designed for 24/7 continuous monitoring and protection of cooling towers, fin fans, pumps, HVAC systems, and other critical machinery. This electronic switch has much better accuracy and reliability than traditional mechanical switches, and is easily installed in

place of existing mechanical switches, since it only requires two wires – and can replace legacy switches without the need for additional cable runs. Series 686B also offers a remote reset capability and USB programmable delays to avoid false trips. This universally powered unit is hermetically sealed for use in the harshest of environments, mounts with a single stud like a sensor, and is available for use in hazardous areas. Contact Molly Bakewell at: [mbakewell@pcb.com](mailto:mbakewell@pcb.com)



The Larson Davis division of PCB Piezotronics (PCB®) has announced the launch of a new series of high performance triaxial accelerometers, Series SEN04xF, designed expressly for taking measurements of worker personal exposure to Hand-arm Vibration (HAV). Designed with special integral low-pass filtering circuits that minimize false readings from shock and mechanical resonances, Models SEN040F (1 mV/g sensitivity) and SEN041F (10 mV/g sensitivity) are smaller, lighter

and more precise than typical sensors. SEN04xF series sensors can be mounted onto a variety of mechanical mounting adapters for HAV studies; feature miniature four pin connectors; and are available with new heavy-duty cables that interface directly with the Larson Davis HVM100 Human Vibration Exposure Monitor.

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