

sensor & calibration tips



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Your one-stop sound & vibration shop

Greetings,

Welcome to issue #30-

Welcome to our third year of information and education for structural vibration and dynamic calibration professionals. Our goal is to provide a few "bite size" pieces of information each month to keep you up on the latest in the industry. Please have a look (like thousands of your industry colleagues do each month!), and share it with a co-worker if you see something from which they could benefit. Follow the archive links below to where you'll find all the back issues with their wealth of information.

Tip of the Month

You certainly wouldn't skip the annual calibration on your instrument, so why skip the annual calibration on your measurement process? Participating in inter-laboratory comparisons builds confidence and avoids costly problems for you and can prevent embarrassing customer recalls.

Quick Links

[NCSL](#)

[IMEKO](#)

[PTB](#)

[NIST](#)

[ISO TC 108](#) - Mechanical vibration, shock and condition monitoring

[ISO TC 108/SC 3](#) - Use and calibration of vibration and shock measuring instruments

[IMAC - Jacksonville, FL \(February 1-4\)](#)

[SAVIAC](#)

[Vibration Institute](#)

[The Modal Shop website](#)

[PCB Piezotronics website](#)

[IMI website](#)

Newsletter Archive

Pyroshock Uncovered!!!

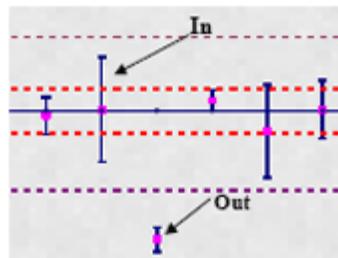
As the interest continues to grow in precision MEMS accelerometers, so has the interest in various areas of shock application. This month PCB's shock expert, Dr. Patrick Walter, explains the mechanics and measurement of pyroshock. Click the following link for a quick read on the topic.



[Click to read more about Pyroshock](#)

<http://www.modalshop.com/calibration.asp?ID=322>

The Whys and Hows of Proficiency Testing



The international standard, ISO/IEC 17025, General Requirements for the Competence of Testing and Calibration Laboratories, references proficiency testing in the context of monitoring activities associated with testing and calibration. The standard dictates that monitoring activities are conducted in such a manner as to provide data so that trends can be detected and, where practical, statistical techniques applied in the examining of this data. But what is proficiency testing and what are its relevant properties? The NAPT (National Association for Proficiency Testing) provides a detailed explanation of the whys and hows of proficiency testing...

[Click to read more about Proficiency Testing](#)

<http://www.modalshop.com/calibration.asp?ID=321>

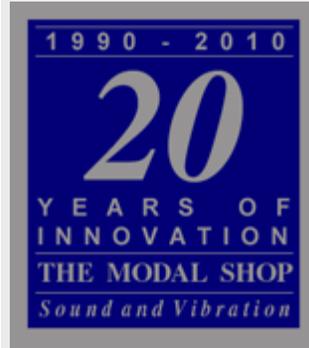
The Modal Shop is celebrating its 20th Anniversary in 2010. We hope that you've enjoyed

[sensor & cal tips #27](#) - Shock vibration and calibration for Aerospace and Defense, ICPR

[sensor & cal tips #28](#) - Details on ICPR and Tools for composite damage detection

[sensor & cal tips #29](#) - Measurement uncertainty; PCB accelerometers on Mythbusters

[Table of Contents](#) - all the back issues



our newsletter again this month, as well as its educational content over the last few years. No where like the sensing calibration fields are certainty and reliability more important. We're here to serve you with all your dynamic sensor and calibration needs.

Sincerely,

A handwritten signature in black ink that reads "Michael J. Lally".

Michael J. Lally
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