

## Bruel & Kjaer UK Courses & Training 2012

10% discount available on ALL courses for M1 or service contract holders



Courses are held at Bruel & Kjaer UK's Royston office in Hertfordshire

### Sound Insulation Measurements

Intended for anyone new to either building acoustics, room acoustics or the B&K 2260, 2250 or 2270 Sound Level Analysers with building or room acoustics modules. Covering how to successfully undertake reverberation time and full sound insulation measurements with the appropriate sound sources.

The programme includes theory and measurement of building acoustics parameters, relevant British Standards and Building Regulations, airborne sound insulation, impact sound insulation and rev. time with the emphasis on practical measurement tasks using Brüel & Kjaer instrumentation.

Dates: 17 April, Royston  
18 September, Royston  
Fee: £245 + VAT

### PULSE User Training

PULSE Basic and Advanced User Training is an intensive two-day course covering both the basics and the more advanced features of the B&K PULSE multi-analyser system. Learn how to design PULSE solutions that meet all your multi-channel sound and vibration measurement needs.

**Day 1** is a brief introduction to the PULSE concept; setting up, using and modifying PULSE Objects, as well as reporting of data and data import/export.

**Day 2** introduces other analysis techniques such as Modal Analysis and Order Tracking.

Dates: 2 and 3 May, Royston  
17 and 18 October, Royston  
Fee: 1 day: £300 + VAT  
2 days: £550 + VAT

### Theory & Practice of Noise Measurement

The objective of this 2-day course is to provide a thorough basis of knowledge for those new to the fields of sound, noise and acoustic measurements.

Upon completion of the course, participants will be able to perform a range of noise measurements and correctly set up measuring instruments and assess noise reports.



This course is recommended to all users of Sound Level Meters and Spectrum Analysis equipment like 1/3-Octave Analyzers, who wish to acquire a good basic understanding of acoustic and measurement principles, for a variety of applications such as noise abatement, product labeling, building acoustics and others.

On day two of this course, participants are invited to perform a measurement, evaluation and reporting task.

Each participant receives a personal Certificate of Competence upon successful completion of this course.

Dates: 16 and 17 May, Royston  
10 and 11 October, Royston  
Fee: £595 + VAT

### Theory & Practice of Vibration Measurements

A two day course on how to correctly select and mount an accelerometer in a wide variety of industrial, research and R&D applications, and how to measure vibration levels and analyse the frequency spectrum. The accent is on preventing common mistakes and misconceptions often encountered in vibration measurements.

This course also gives a non-mathematical description of signal types, filters, frequency and amplitude scales, RMS detection and averaging.

It finally gives a brief introduction to digital signal analysis covering sampling and aliasing and shows block diagrams of FFT and Digital Filter analysers.

During this course, participants are actively encouraged to discuss their own particular measurement requirements.

Each participant receives a personal Certificate of Competence upon successful completion of this course.

Dates: 5 and 6 September, Royston  
Fee: £595 + VAT



### Free, Online Training

During 2012 Bruel & Kjaer UK will be running its one-hour web-based courses called webinars.

Updated regularly throughout 2012, the schedule features training for MATRON system and sound level meters, with lots of opportunity for attendees to ask questions.

To participate in a webinar, simply register your name and email via our website: [www.bksv.co.uk](http://www.bksv.co.uk)

Once registered, you will receive an e-mail confirmation with a link to the web meeting and the conference telephone number.

For a reminder and quick link to joining the webinar, save this confirmation in your Outlook calendar.

This also saves the course into your calendar with the correct Start Time; which is very useful when registering for international webinars run by our Danish headoffice.

If you have access to a video projector and speaker phone, multiple participants can attend the meeting on one registration.

To confirm access, especially if you will be setting up a video projector for multiple participants, we can arrange a pre-meeting.

Visit our website to see our 2012 webinar course listing: [www.bksv.co.uk](http://www.bksv.co.uk)

### Bespoke/Onsite Training

To get the most out of your sound level meter, vibration analyser or multi-channel analysis system, we offer training on your premises.

Experienced professionals provide dedicated user training to staff, using your systems, at a time to suit you.

The advantages are:

You decide the course program and the duration

You choose a suitable application for practical training

Confidentiality is assured

Team building and knowledge sharing

A dedicated made-to-measure user training at your offices is often the best solution when a team of users needs to be brought up to speed in the shortest possible time.

To discuss onsite/bespoke training, please contact [stephanie.semmens@bksv.com](mailto:stephanie.semmens@bksv.com) or call +44 (0)1763 255 786

### Vibration Testing for Engineers & Technicians

This two day course provides a practical introduction to the subject of vibration testing.

Designed around the needs of engineers new to the subject of vibration testing and yet offering a useful refresher course for the more experienced user, this course explains how to interpret vibration test specifications and apply them to a vibration test system.

Subjects covered are sinusoidal vibration, random vibration, and shock/bump testing together with a background to the equipment required for each type of test, methods of control and simple fixturing.

The course emphasises the practical aspects of vibration testing - the realities, the problems encountered and the common mistakes which can be made.

The course removes the mystery and mystique of vibration testing and replaces it with facts and common sense.

Dates: 20 and 21 March, Royston  
26 and 27 June, Royston  
11 and 12 September, Royston  
27 and 28 November, Royston  
Fees: £790 + VAT

### Vibration hands on practical course & test simulation

An optional 3rd day is available which covers the LDS Laser usb Controller for sine, random, shock and mixed mode testing and continues a more in depth hands on for the student.

Tests will be run on an LDS V830 to provide each student with confidence for a realistic setup of an air cooled system.

Day 3 is 90% practical and puts into practice the lessons learnt on days 1 and 2, including all project parameters, error messages and control methods whilst observing resonance and Limit control on a test piece.

Bring along your specifications and requirements. The 3rd day will be restricted to a maximum of 6 customers to allow all students some test time.

Please note: this course is only available at Royston UK company Headquarters

Dates: 22 March, Royston  
28 June, Royston  
13 September, Royston  
29 November, Royston  
Fees: £395 + VAT

We also offer bespoke, onsite training courses for customers with LDS products.

For further details on having the course run on your premises and tailored to your specific needs and other available courses, please contact:

Trevor Harrison  
LDS product range  
Customer Training Manager  
Email: [trevor.harrison@bksv.com](mailto:trevor.harrison@bksv.com)





January	February	March	April	May	June
1 S 2 M 3 T 4 W 5 T 6 F 7 S 8 S 9 M 10 W 11 W 12 T 13 F 14 T 15 T 16 W 17 F 18 W 19 T 20 F 21 S 22 S 23 W 24 T 25 T 26 W 27 F 28 S 29 S 30 W 31 T	1 W 2 T 3 F 4 S 5 S 6 M 7 T 8 W 9 T 10 F 11 S 12 S 13 W 14 T 15 W 16 T 17 F 18 S 19 S 20 W 21 T 22 W 23 T 24 F 25 F 26 S 27 S 28 W 29 T 30 W	1 T 2 F 3 S 4 S 5 M 6 T 7 W 8 T 9 F 10 S 11 S 12 M 13 T 14 W 15 T 16 F 17 S 18 S 19 M 20 T 21 W 22 T 23 F 24 S 25 S 26 W 27 T 28 W 29 T 30 F 31 S	1 S 2 M 3 T 4 W 5 T 6 F 7 S 8 S 9 M 10 T 11 W 12 T 13 F 14 S 15 S 16 M 17 T 18 W 19 T 20 F 21 S 22 S 23 W 24 T 25 T 26 W 27 F 28 S 29 S 30 W 31 T	1 T 2 W PULSE User Training 3 T PULSE User Training 4 F 5 S 6 S 7 M 8 T 9 W 10 T 11 F 12 S 13 S 14 M 15 T 16 W Theory & Practice Noise 17 T Theory & Practice Noise 18 F 19 S 20 S 21 M 22 T 23 W 24 T 25 F 26 S 27 S 28 M 29 T 30 W 31 T	1 F 2 S 3 S 4 M 5 T 6 W 7 T 8 F 9 S 10 S 11 M 12 T 13 W 14 T 15 F 16 S 17 S 18 M 19 T 20 W 21 T 22 F 23 S 24 S 25 M 26 T Vibration Testing 27 W Vibration Testing 28 T Vibration Hands on Practical 29 F 30 S
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31	28	23	24	29	31

# 2012

## UK Courses & Training



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creating sustainable value

July	August	September	October	November	December
1 S 2 M 3 T 4 W 5 T 6 F 7 S 8 S 9 M 10 T 11 W 12 T 13 F 14 S 15 S 16 M 17 T 18 W 19 T 20 F 21 S 22 S 23 M 24 T 25 W 26 T 27 F 28 S 29 S 30 M 31 T	1 W 2 T 3 F 4 S 5 S 6 M 7 T 8 W 9 T 10 F 11 S 12 S 13 M 14 T 15 W 16 M 17 F 18 S 19 S 20 M 21 T 22 W 23 T 24 F 25 S 26 S 27 M 28 T 29 W 30 T 31 F	1 S 2 S 3 M 4 T 5 W Theory & Practice Vib 6 T Theory & Practice Vib 7 F 8 S 9 S 10 M 11 T Vibration Testing 12 W Vibration Hands on Practical 13 T Vibration Hands on Practical 14 F 15 S 16 S 17 M 18 T Sound Insulation 19 W 20 T 21 F 22 S 23 S 24 M 25 T 26 W 27 T 28 F 29 S 30 S	1 M 2 T 3 W 4 T 5 F 6 S 7 S 8 M 9 T 10 W Theory & Practice Noise 11 T Theory & Practice Noise 12 F 13 S 14 S 15 M 16 T 17 W PULSE User Training 18 T PULSE User Training 19 F 20 S 21 S 22 M 23 T 24 W 25 T 26 F 27 S 28 S 29 T 30 T 31 W	1 T 2 F 3 S 4 S 5 M 6 T 7 W 8 T 9 F 10 S 11 S 12 M 13 T 14 W 15 T 16 F 17 S 18 S 19 M 20 T 21 W 22 T 23 F 24 S 25 S 26 M 27 T Vibration Testing 28 W Vibration Testing 29 T Vibration Hands on Practical 30 F	1 S 2 S 3 M 4 T 5 W 6 T 7 F 8 S 9 S 10 M 11 T 12 W 13 T 14 F 15 S 16 S 17 M 18 T 19 W 20 T 21 F 22 S 23 S 24 M 25 T 26 W 27 T 28 F 29 S 30 S 31 M
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