

dBdataPRO-LITE Castle Sound Meter Software

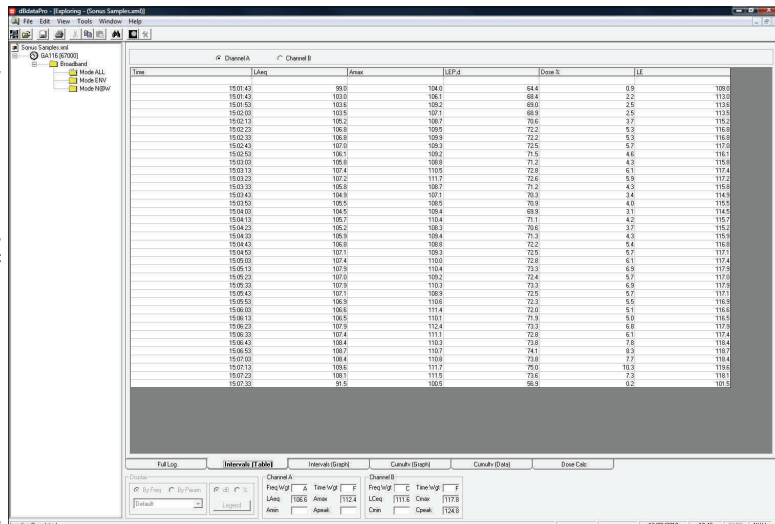
Noise Analysis Software

Castle produce a well known range of high class data-logging instruments for measuring Noise, many of which have a built in PC communication facility via RS232 or USB interface. To make full use of this feature, a new range of PC software has been developed which will provide the user with the ability to manipulate and use data in the most flexible way using the full potential of the Microsoft Windows environment.

dBdataPRO-LITE comes FREE with the following instruments from the Castle range: The Pro-DX Vocis real-time sound level meters, and the all new SONUS Pocket-sized meters with USB (certain models only). dBdataPRO also supports all previous PC compatible sound meters.

The Concept

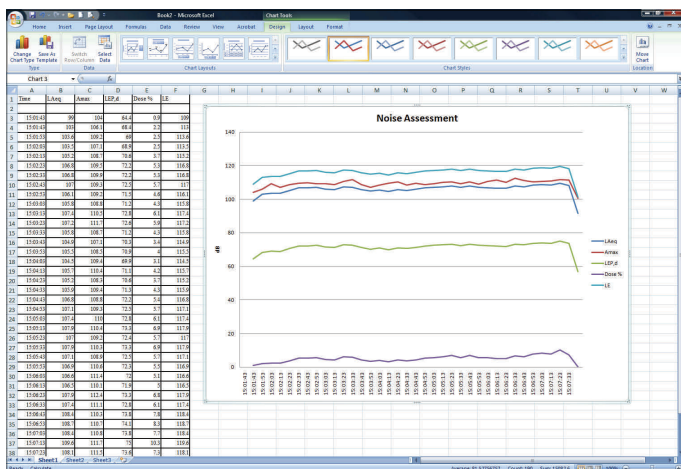
Simplicity is the key to the flexibility that this software offers. Once the program is open, one mouse click is all it takes to start acquiring data from the instrument. Options are then presented to the user about how much data and which types of data to acquire thus giving control to the operator. Once the data is in the PC, displaying the information in tabular form could not be simpler. The 'explorer' pane on the left of the window shows the structure of the data and simply clicking on a data item will display a graph in the right hand pane.



Simplicity is the Beauty

Having instant access to all of the data on one screen means better decision making and streamlined operation. With all the data on-screen, dBdata allows you to manage the data-files, copy out the data you want and print reports directly to hard-copy. For increased functionality, there is the option to upgrade to the full dBdataPRO software, which gives the benefit of greater data-manipulation, graphical-views and analysis for hearing protection, dose calculations and NR curves.

Windows Integration



Possibly one of the most powerful features of this software is the fact that you can use the tables and graphs in any of your other Windows software packages such as word processors or spreadsheets. The process is once again incredibly simple, as all you have to do is click on 'copy', go into your other software, open a document and 'paste' the data straight in Modular Software. You can even have the option of pasting a table of data, an editable picture or a bitmap, so you can tailor your reports to the way you want them!



Added Benefits of dBdataPRO upgrade

Hearing Protection

The Hearing Protection attenuation Database allows you to download measurements from your Sound Level Meter and then test out various hearing protectors to gauge their effectiveness for that type of noise environment, according to the Noise at Work Regulations. Doing this gives you a detailed analysis graph and therefore evidence that you have selected a 'suitable' ear defender.

Dose Calculator

For conducting Noise at Work risk assessments, it can often be necessary to combine sound exposure from various tasks carried out by an employee. This involves calculating the exposure (Lep'd) for each task with one formula and then combining them with another formula. This can be time-consuming and there is potential for error.

With the dBdataPRO DoseCalc, it is a simple task to take readings from any number of measurements and put them into the table shown (right). This will then calculate the exposure (Lep'd) for each task and will also give the combined daily exposure.

Zoom and Cut data

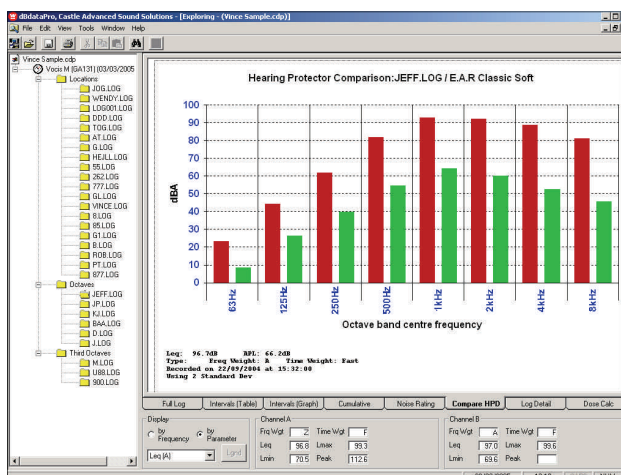
Removing data from a table or graph can give a more tailored result for your application. dBdataPRO will re-calculate any parameters it can based on an altered set of data. This can be very useful to determine the effect of removing noise events from a measurement.

Extended Report Print-outs

The dBdataPRO upgrade also gives added functionality to the report printing, with the ability to print graphical screens and combine the data with cumulative values.

Copy and Past Graphs

When data is copied from dBdataPRO it can also be pasted as a picture of the graph. This can be formatted to either be a Windows graphics file or a non-editable bitmap.



Technical system requirements

Minimum Hardware

- PC Running Microsoft Windows
- 100 MB Free Disk space, 32 MB RAM
- 1 Free RS232 25pin Serial Communications Port or 1 USB port (with USB to serial adaptor)
- For SONUS—1 free USB-2 port

Software

dBdataPRO will work on the following operating systems. Windows 98, through to Windows 7. If you have an alternative system, please call us to find out.

Ordering information

PC007 - dBdataPRO

PC003 - dBdata4WV Vibration module

PC005 - dBdata4WN Noise module

PC0035 - Upgrade from Noise to Vibration

PC0045 - Upgrade from Vibration to Noise

PC002 - dBdata software for DOS



To the Safety, Health and Environment Professional...

The issues faced every day by Health, Safety and Environmental professionals are vast and varied. At Castle, we have spent a lot of time developing products and services to make your life easier!

Castle Group Ltd are one of the leading international group specialists in technical safety, health and environment solutions. Whether you are in Industry, Construction, Local Authority or anywhere there are safety or environment issues, we are a resource you really could use. We can help with Noise, Vibration, Air sampling, Gas detection, Light and temperature and just about anything else that needs measuring. The following services show you how we can help

FREE Health & Safety Training Seminars!

To get you off the ground, refresh your knowledge or just to get a taste, Castle is continually running FREE Safety, Health and Environmental seminars around the country. Covering subjects from Noise at Work, to COSHH and Audiometry, the list is ever growing, as are the locations. Check out our web site for the next seminar near you.



www.castlegroup.co.uk

Castle Instruments

Dealing with many Safety, Health and Environmental issues may well mean you need access to a plethora of **equipment** and **instrumentation** to carry out measurements and assessments necessary for the job.

At Castle we can provide you with just about any of the equipment you might need. All our equipment comes with the **guarantee** of back-up and support you only get from a company with 40 years under its belt! Here are a few of the core products we can offer, but we can also source anything you may need!

Noise and Vibration Measurement Equipment
Audiometers, Otoscopes and Booths
Air-Sampling Pumps, Calibrators and Consumables
Gas-Detection and Personal Monitors
Emissions and Air Quality
Light, Temperature, Humidity and Airflow

www.castlegroup.co.uk



Castle Training Academy

Training is becoming an ever more important area of consideration to industry **professionals** and the Castle Training Academy is fulfilling the need for more and more companies every year. The Academy now offers **competence** training along with IOSH and CIEH **qualifications**. What is more, look out for our NEW City & Guilds provision. All courses come with professional **CPD** points and many are eligible for CITB and Train to Gain **grant funding**.



You can see a full list of courses and book-online on our website.

www.castletrainingacademy.com.

CastleRent

There are a number of **reasons** why rental may be the solution for you. You may only have a one-off use, a special contract, a limited budget or a need for supplementary products. In any case, our **flexible booking** system, next day a.m. delivery and open-pricing mean that you can address any of these issues without delay. For long-term contracts, such as construction projects, Castle Rent is also a **tax efficient** way to 'own' equipment. Finally, for peace of mind, what better way is there to try a product before deciding to buy it? We even give you money back if you do purchase!

The Advantages of Castle Rent;

- Easier on cash-flow
- Rent for long- or short-term as you need it
- Let the Tax Man pay for you!
- Try before you buy
- Four weeks for the price of three
- No on-going maintenance costs
- Sourcing service for any other equipment you need

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Castle Care

Measurement instrumentation must be **regularly** calibrated to a traceable standard and this is certainly true for most health, Safety and Environmental monitoring equipment. At Castle, our team of **highly trained and experienced** technical staff can service and calibrate almost any type of monitoring equipment from Noise and Vibration meters to Thermometers to Scales. The Castle '**Premier Service**' includes menu pricing and a normal turnaround time within 5 days. What is more, we will evaluate any instrument and return it for **FREE** if you do not want to proceed.



Castle premier service and calibration offers...

- Free Evaluation Service
- Clear and Simple Pricing
- UKAS Accreditation Available
- Large range of equipment calibrated
- 4 Levels of calibration available for most equipment
- Annual contract calibrations with up to 20% off

www.castle-care.com

Castle Contracts

For companies with **multiple** pieces of **equipment**, there is also Castle's 'Contract Calibrations'; an annual scheme to take the hassle out of maintaining equipment certification. Castle will issue calibration **reminders**, collect your equipment if required and return it calibrated as soon as possible. This scheme also affords a **saving** of up to 20% on annual calibration charges.

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Castle Consultancy

Castle **experts** are waiting to help you. Because we have a **network** of consultants across the country, we are poised to **react** to your requirement. Not only can we normally provide a local service, but we can usually help right away if you need us to!

Whether you are limited for time, in need of further **expertise** or just want some **advice**, we can assist. We have provided a wide range of services to many top companies for projects large and small.

Here are some of the services we can provide, but if it's not here, just ask!

- Noise or Vibration risk assessments
- Building Acoustics
- COSHH compliance
- Environmental Impact Assessments
- Air Quality Monitoring
- Occupational Health Screening programmes

www.castle-consultancy.com

Castle Online

You can access all our products and services online whenever you want, just go to www.castlegroup.co.uk and you will find a **knowledgebase** packed full of useful facts and information. You will also find details of all our upcoming **FREE seminars** and training courses as well as product information on literally hundreds of health, safety and environmental items, which are available to purchase directly through a secure server. Among other things you will find:

- HS&E Measurement Products
- Books, Standards and Publications
- HS&E CD's DVD's
- Stopwatches and Timers
- Scales and Distance Measurement
- Water Testers

You will also find our shop on ebay of all places - <http://stores.ebay.co.uk/Castle-Group-Safety> or just go onto ebay and type Castle Group Safety in the shops section.

Who are Castle

For 40 years, Castle has been driving forward with product and service innovation. For a number of the early years, the company focussed on the development of sound and vibration measuring equipment. This was then progressed by adding training courses, rental and consultancy eventually leading to the Castle of today, which is helping many customers deal with a vast range of health, safety and environmental issues in a variety of ways. The future is a very exciting place at Castle and we are working on many new initiatives with our customers firmly in mind!

