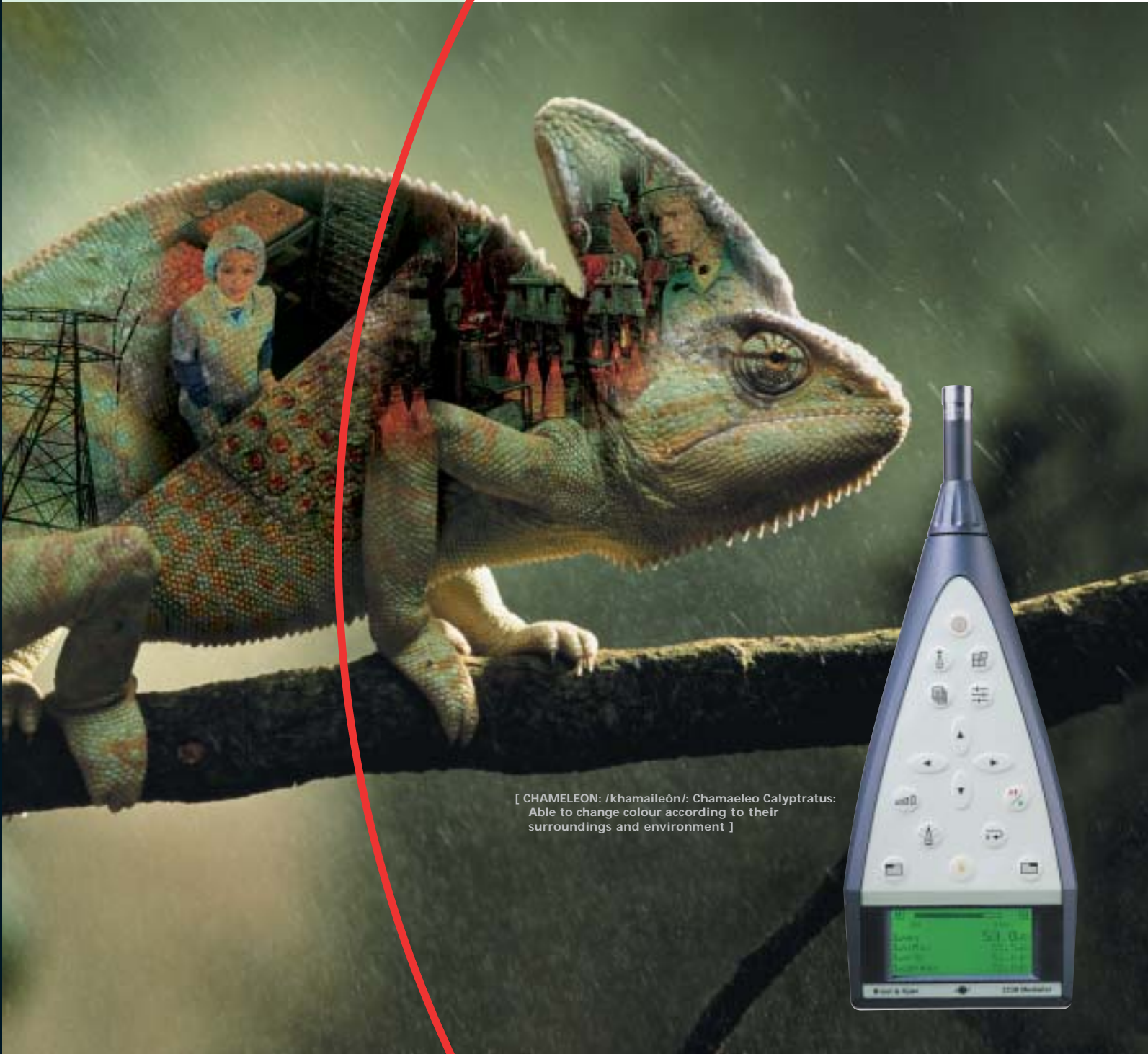


Adapts to *its Environment*



[CHAMELEON: /khamailéon/: Chamaeleo Calyptratus:
Able to change colour according to their
surroundings and environment]



2238 Mediator

A wealth of data

Environmental noise measurements can be tricky, but with 2238 Mediator you never miss a beat. It delivers A- and C-weighted RMS levels, periodic reports, statistical distributions – in short, every broadband parameter you could possibly need.

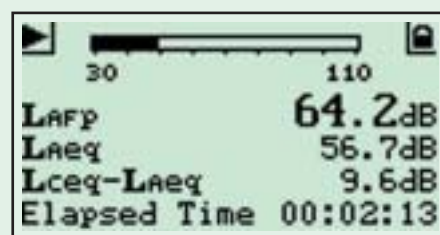
During attended measurements, Mediator's back-erase function lets you delete unwanted samples with a few quick keystrokes. And when logging, you can use the multiple marking function to highlight various kinds of noise and events in your files.

Unattended measurements are supported by an outdoor microphone kit and a complete set of outdoor gear for collecting data in any kind of weather. You can log multiple user-selectable

parameters simultaneously, in addition to two external DC signals. The results are stored in Mediator's 2 Mbytes of memory in files of freely variable size.

Mediator also features input/output triggering for co-ordinating measurements with external events.

After measurement, the optional 7820 Evaluator™ PC software provides important tools for working with noise profiles. Calculating rating levels and other parameters, the software allows efficient evaluation of noise regulation compliance.



The sound level meter that grows with you

When it comes to buying a sound level meter, it's important to get an instrument that can keep up with you as your measurement requirements expand.

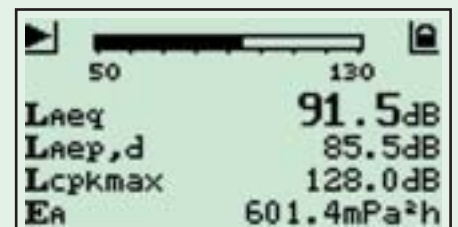
2238 Mediator™ does just that. Mediator consists of a powerful platform and a set of high-performance, dedicated software packages that you can combine in any way you like. As a result, you get exactly the functionality you need now, plus the option of adding more later – and your investment is securely protected.



On the spot measurements

If you're in charge of measuring noise levels in the workplace, you'll appreciate the straightforward yet thorough operation of 2238 Mediator. Within minutes of picking it up, you'll be able to start making simultaneous measurements of all the relevant parameters. And when you add on the optional 7825 Protector™ PC software, you've got a powerful tool for handling occupational noise problems from start to finish, including advanced data management and troubleshooting functions.

Mediator also supports frequency analysis and sophisticated logging measurements for more in-depth problem solving. So whether you're making routine measurements or complex analyses, Mediator has all the power you need to handle noise problems at work.

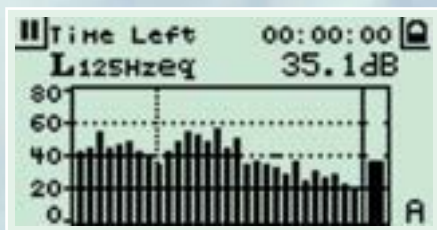


More muscle when you need it

Often you can't get to the bottom of a noise problem without looking at the spectrum of the sound. With Mediator's full-featured Frequency Analysis package, you can home in on specific problems and troubleshoot them in detail. The software is also an important tool for evaluating noise reduction measures and selecting hearing protection.

Mediator automatically scans all selected filter bands for you. All you do is choose the start and stop bands, along with the bandwidth, and you get a clearly displayed spectrum complete with cursor read-outs.

With a range of 20 Hz to 12.5 kHz for 1/3-octave bands and 31.5 Hz to 8 kHz for 1/1-octave bands, Mediator is always ready to go into the frequency domain and come out with answers.



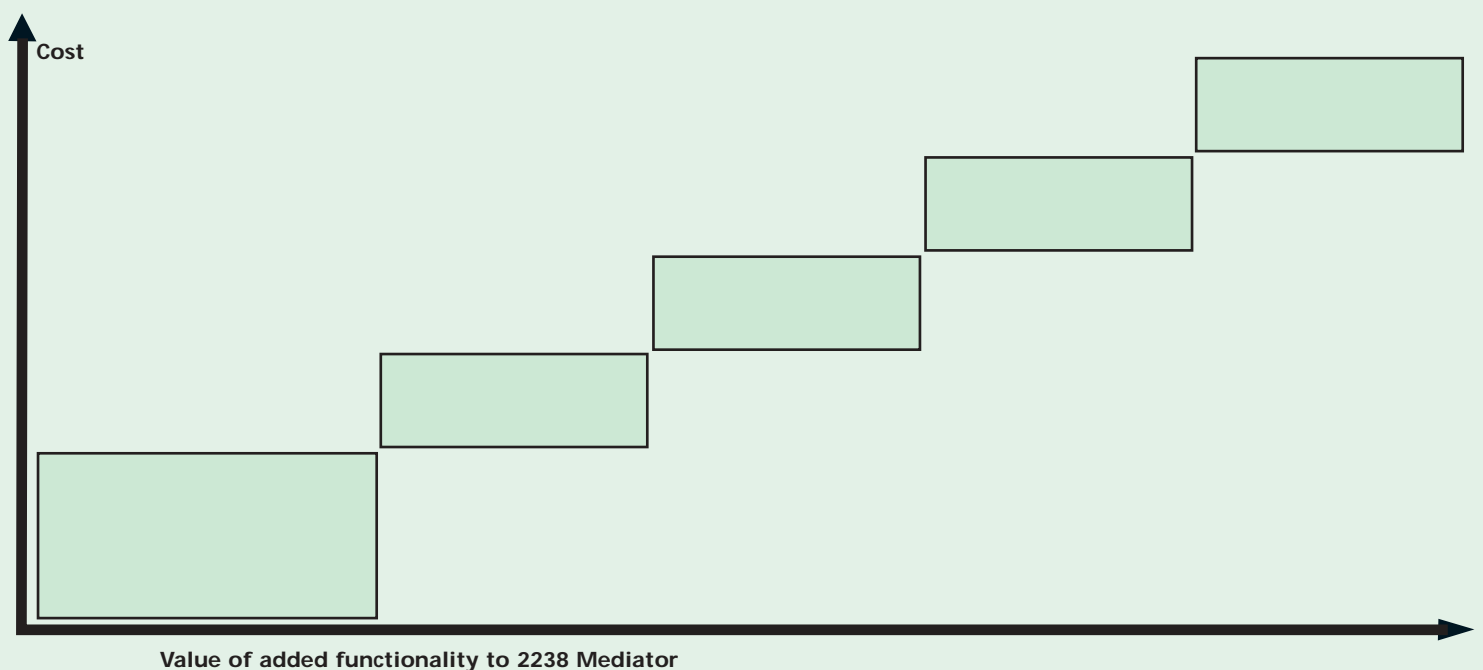
The heart of Mediator

Despite its good looks, 2238 Mediator is a real worker, powerful enough to make advanced measurements and built to withstand the wear and tear of daily use.

As a hardware platform, Mediator is a versatile host for software that is carefully designed to make optimal, dedicated use of the machine's computing power. All 2238 Mediators come with a basic SLM software package, and other functions like statistics, logging and frequency analysis are added through easily installed software options.

Mediator has two independently frequency-weighted detectors, one of which is an RMS detector. The other can be used as an RMS or Peak detector, or work with a 12 ms time constant. Add the fact that all parameters can be measured simultaneously with F, S and I time constants and it becomes clear – Mediator will never leave you wishing for more parameters.

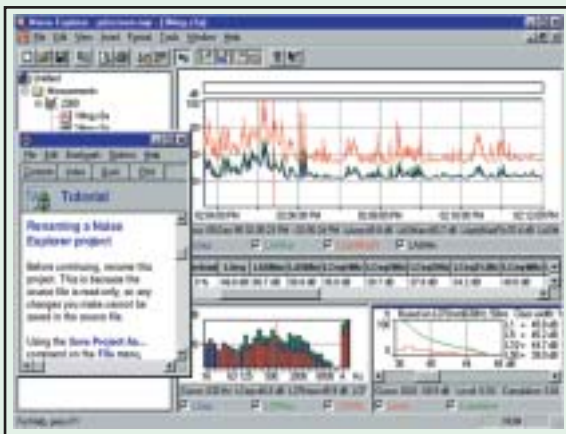
Other features include built-in electronic filters to correct for windscreen and sound incidence effects, full controllability via a standard serial interface, and the ability to store and print the calibration history.



A full range of solutions

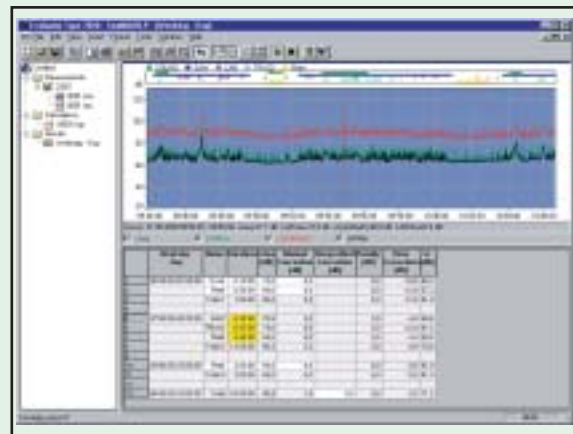
Noise Explorer™ Type 7815 software

Data from all modern Brüel & Kjær sound level meters can be downloaded to a PC for viewing, intuitive archiving and future reference. All data can be exported to other software such as MS® Excel and Word.



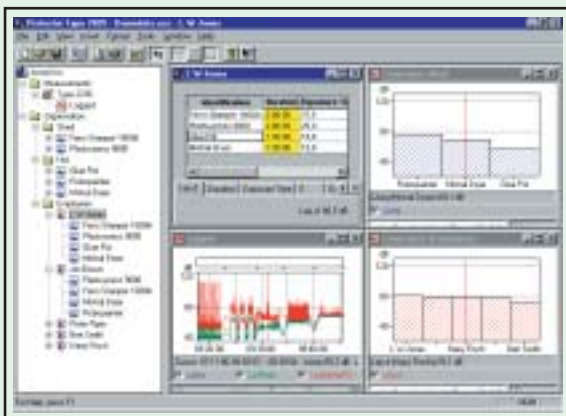
Evaluator™ Type 7820 software

Assess environmental noise according to your legislation and perform a range of advanced tasks – download data over a modem from a sound level meter, record sound, and integrate sound bytes and photographic evidence of the site under investigation.



Protector™ Type 7825 software

Powerful management of noise exposure with highly intuitive archiving, cost-saving assessment of noise exposure and machine levels, and various functions to quickly evaluate the extent of noise exposure problems, their causes and possible solutions.



Environmental Software

Brüel & Kjær's Environmental software includes application-specific tutorials that provide a full work-through of the many facilities in the software.

All software can be downloaded from www.bksv.com and installed as a demo version allowing you to try out all capabilities.

**Noise can seriously
damage your health**



Service and Support

To ensure that you receive the full benefit of our equipment, Brüel & Kjær offers worldwide service and support including accredited calibration, on-site traceable calibration, installation, software maintenance and upgrade contracts, product training, and application courses.

Literature

We offer a comprehensive range of high quality literature that includes User Manuals, Product Data Sheets, Brochures, Application Notes, Bulletins and Brüel & Kjær Magazine.

Contact Us

If you have any queries, please contact your local Brüel & Kjær sales representative.

Internet

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HEADQUARTERS: DK-2850 NÆRUM · DENMARK · TELEPHONE: +45 45 80 05 00
FAX: +45 45 80 14 05 · HTTP://WWW.BKSV.COM · E-MAIL: INFO@BKSV.COM

Australia (0061) 2 9450-2066 · Austria (0043) 1 865 74 00
Brazil (0055) 11 5182-8166 · Canada (001) 514 695-8225
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