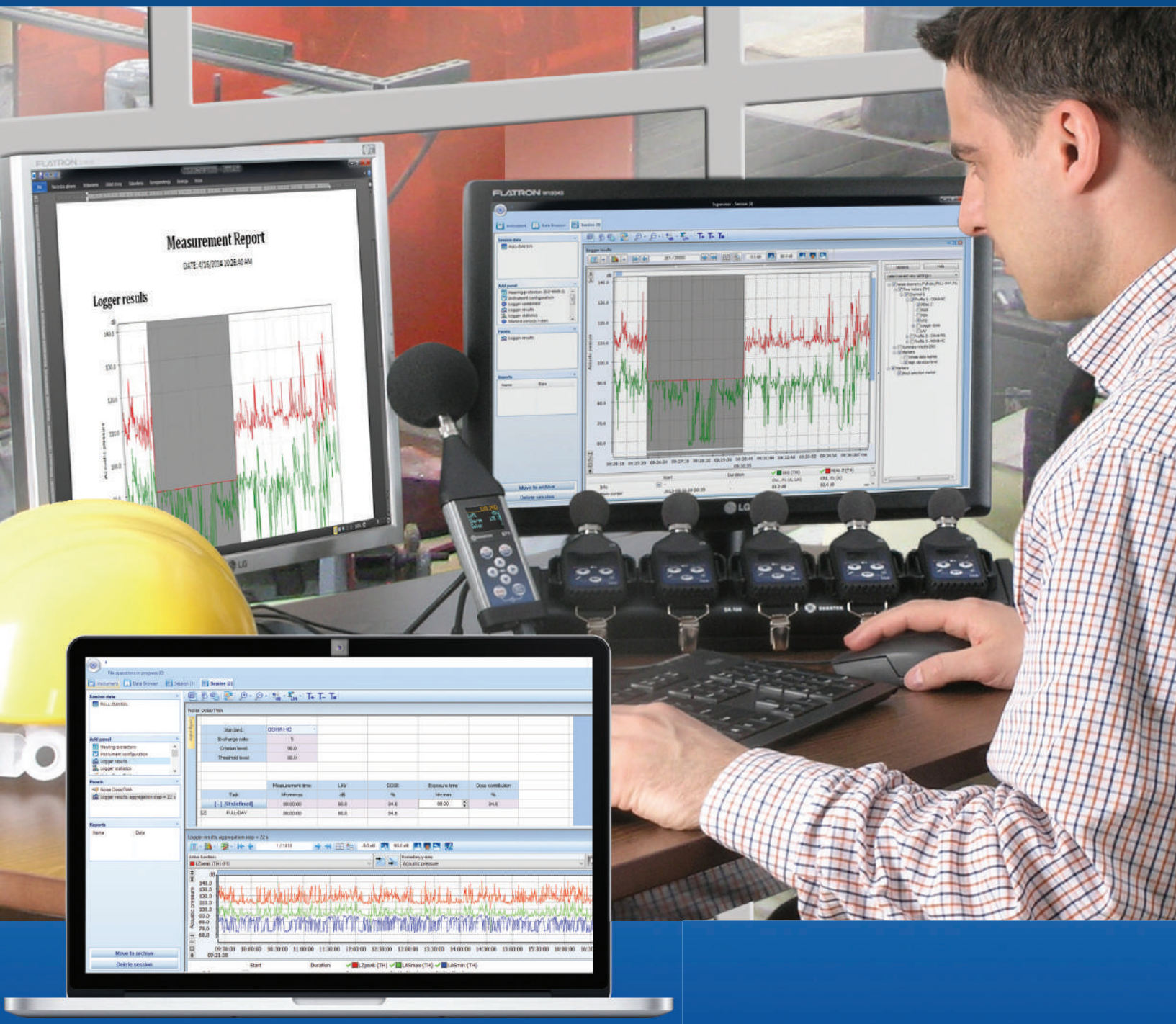
Supervisor
Software



SVANTEK

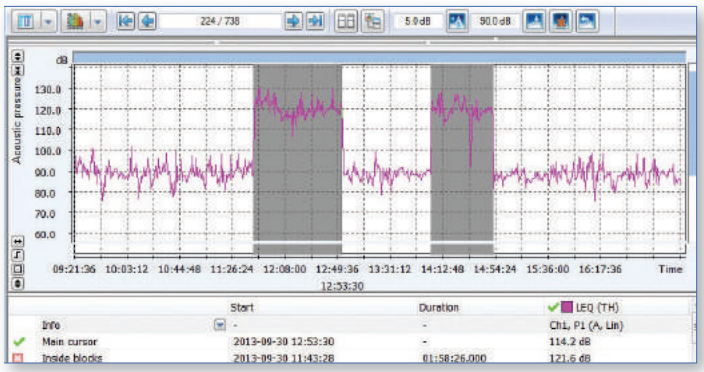
INSTRUMENTATION FOR SOUND & VIBRATION MEASUREMENTS

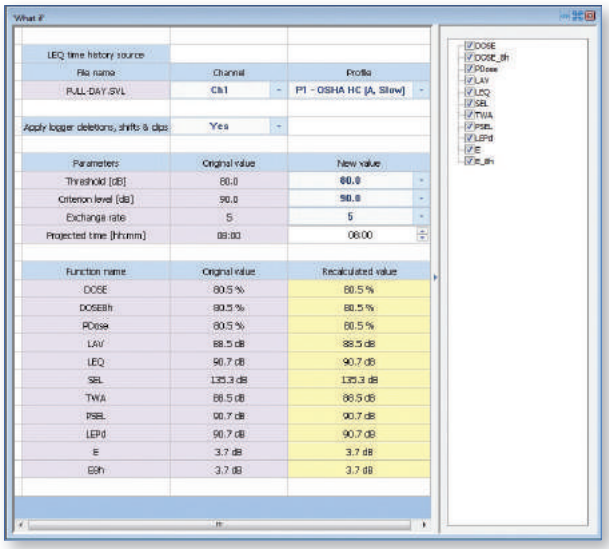
Supervisor Software Data Management & Reporting

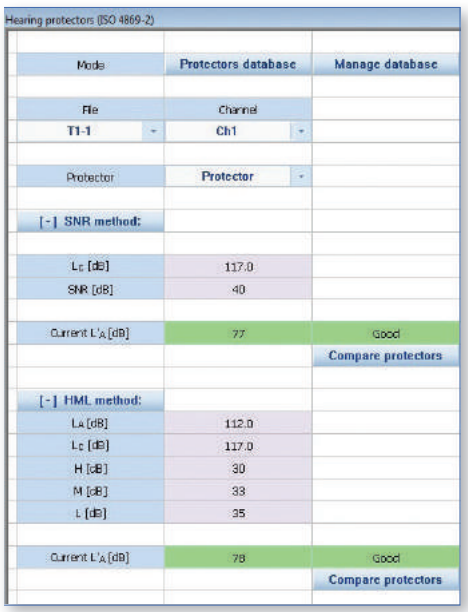
Supervisor is a software package for health and safety specialists. The package supports all Svantek instruments for the health and safety market.
The Supervisor is designed to meet the needs of different users. In the case of simple applications that only require the analysis of the main results such as LAeq, LAFmax and Lcpeak, the program offers quick previews and reporting without the necessity of opening data files. More advanced applications are handled within sessions where the user can choose the type of analysis to be performed. Those who draw up noise or vibration reports on a daily basis will appreciate the report templates, which once created can be applied to different sets of measurement files.
Each instrument that is connected to Supervisor is remembered together with information such as the uploaded settings, the firmware version, as well as the calibration validity date and instrument clock time. When data is downloaded, they are automatically categorised by measurement time and assigned to the instrument's serial number.

Simulation of changes of noise source emission

The Supervisor software gives tools to simulate hypothetical situations in which the noise differs from that which was measured. When selecting a data block it is possible to shift the data up or down for any given dB value. It is also possible to simulate a situation where noise is equal to a given dB level or completely removed from time history. The altered data is recalculated automatically and both the original and recalculated results are shown so as to answer the question "What if".







Hearing protection selection in accordance with ISO 4869-2

Workers should wear hearing protectors if the noise or sound level at the workplace exceeds 85 decibels. The selection of hearing protectors depends on a noise level in the working environment. Therefore the selection of suitable hearing protector should be based on noise measurement.
Each hearing protector has attenuation characteristics expressed in units of three methods:

SNR_____Single Number Rating,
HML_____High, Medium and Low frequency method, using A-weighted and C-weighted sound measurements in the calculation
OCTAVES__The most accurate method requiring measurement in 1/1 octave bands

The Supervisor supports all three methods allowing users to build up the hearing protectors data base. The calculation is done automatically with selection of data files containing noise results required by selected method.

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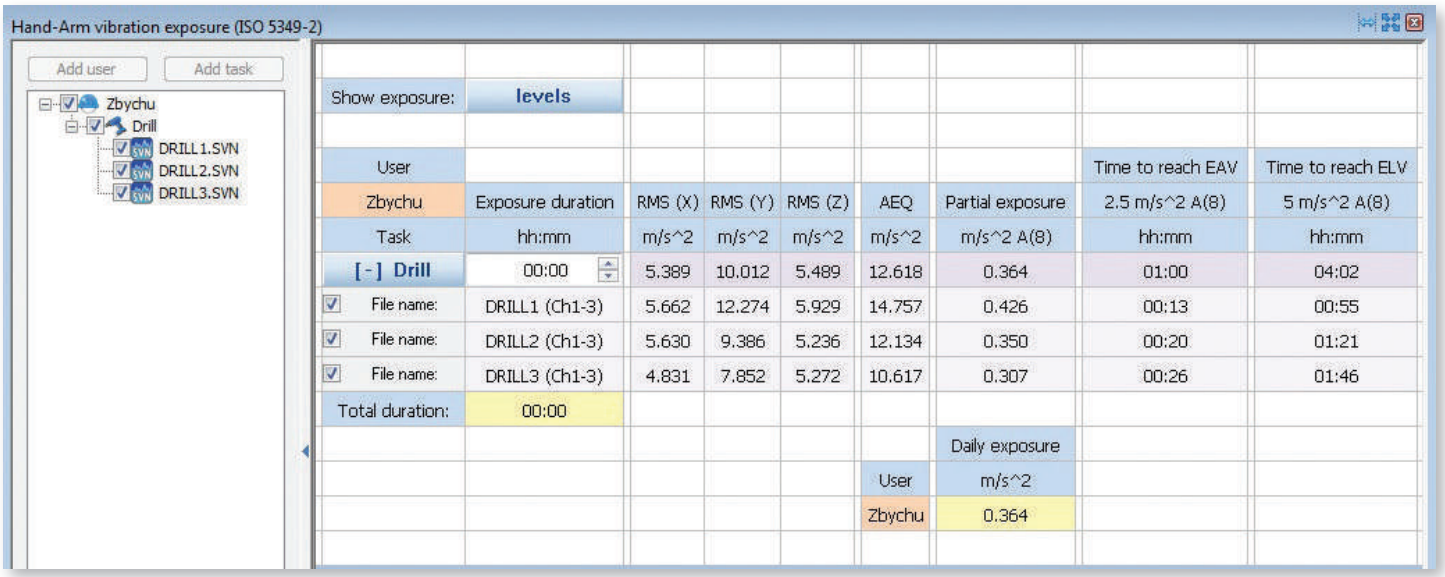
Supervisor Software Data Management & Reporting

Hand-Arm Vibration Exposure Calculation in accordance with ISO 5349-2

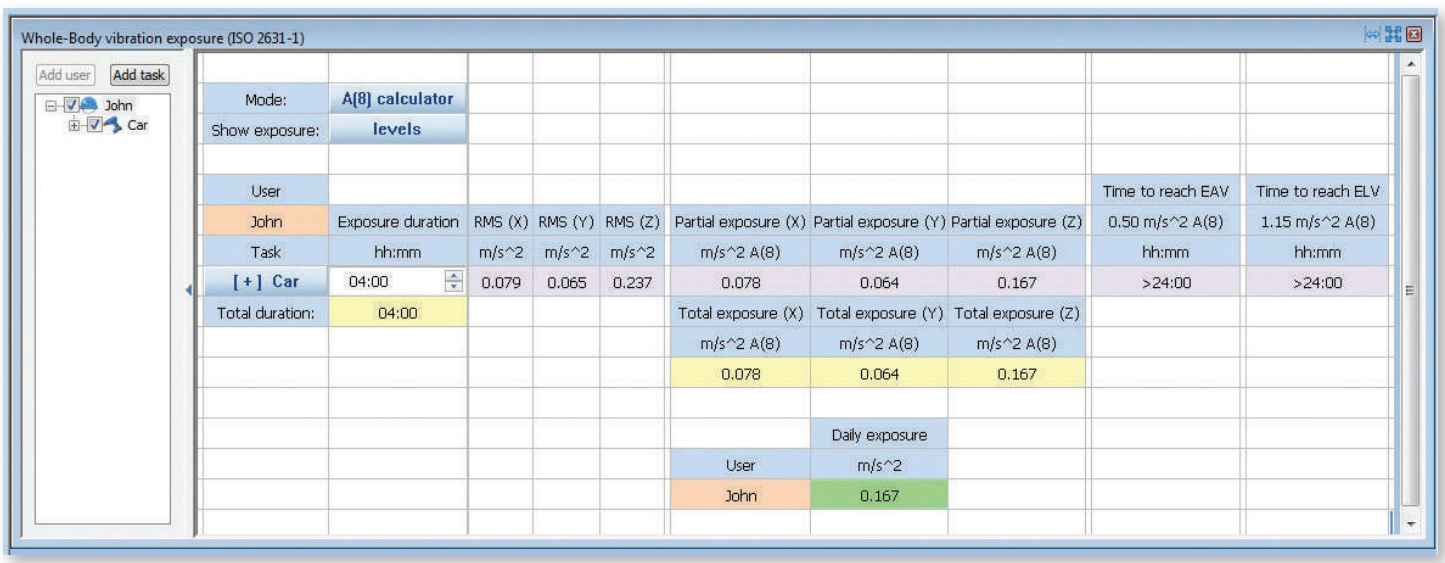
ISO 5349-2 gives practical guidelines in accordance with ISO 5349-1 of how to take hand transmitted vibration measurements at the workplace. These kinds of measurements are possible with the SV 106 human vibration analyser or SV 103 hand-arm vibration dosimeter. The data downloaded into the Supervisor database are assigned either to a particular user or to a task while all calculations are performed automatically. The measurements are recorded in m/s² and are directly comparable to the limits laid down by European Directive 2002/44/EC. It is also possible to convert these units into Points, which are widely used within the health & safety sector. All the information displayed within the panel window can be printed in the report.



Whole-Body Vibration Exposure Calculation in accordance with ISO 2631-1

The ISO 2631-1 standard defines the general methodology to assess whole-body vibration exposure. These measurements can be performed with the SV 106 human vibration analyser or the SV 100A whole-body vibration dosimeter. The measurements downloaded into the Supervisor database are assigned either to a particular user or to a task while all calculations are performed automatically. The measurements are recorded in m/s² and are directly comparable to the limits laid down by European Directive 2002/44/EC.

It is also possible to convert these units into Points, which are widely used within the health & safety sector. By clicking on Mode, you can switch to calculations based on VDV which is often necessary when the vibration is characterized as impulsive.



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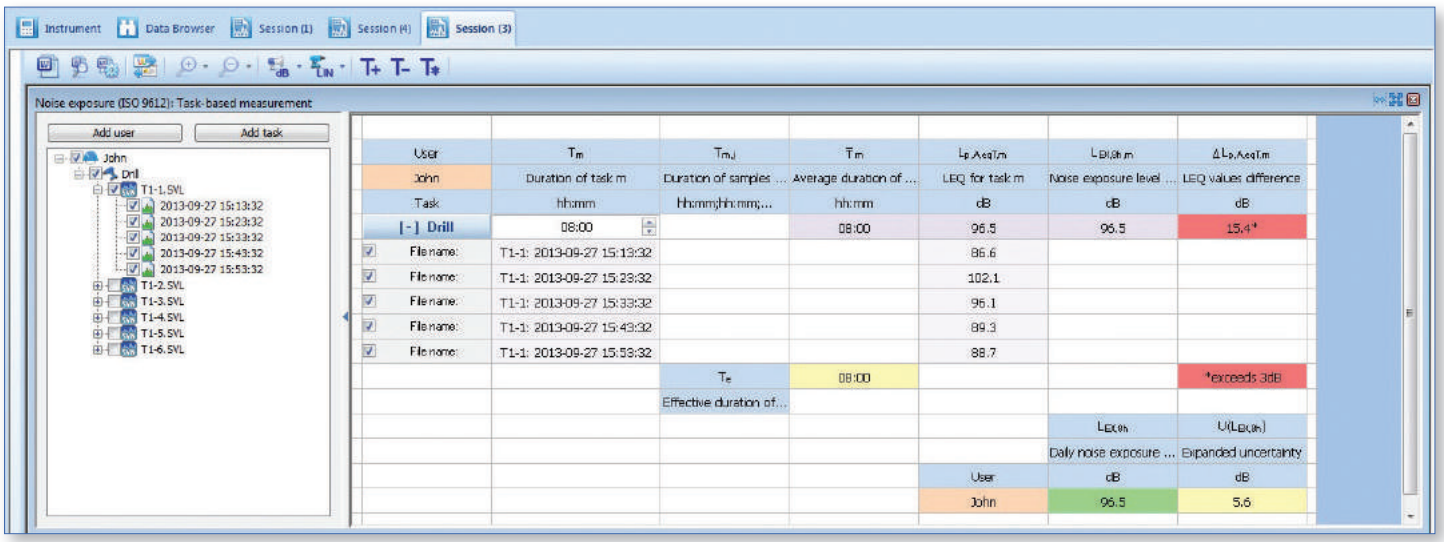
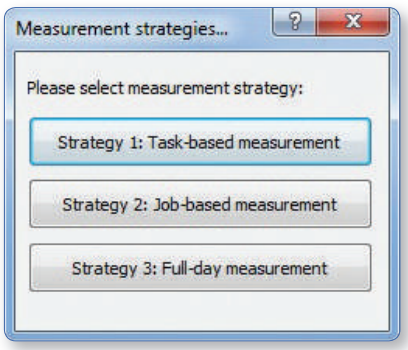
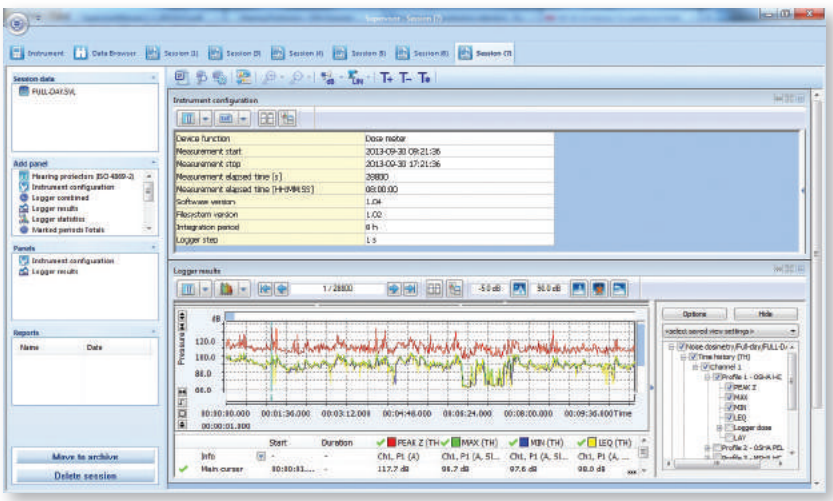
Noise exposure recalculations in accordance with ISO 9612





The Supervisor software provides complete tool for determination of occupational noise exposure from noise level measurements. The Supervisor provides automatic calculation of all required measurement results and uncertainties in accordance to three measurement strategies described in ISO 9612: task-based, job-based and full-day.



Reporting:
What You See is What You Get!

Supervisor creates reports* in a very fast and easy way. The user selects a file and opens it by double click. The measurements are automatically grouped into context panels which can be opened and closed with a single click. The panels can be arranged with the drag & drop. Then you only need to click on the MS Word™ icon to print a report.
The report layout can be saved at any time as a template and used for other files.

*MS Word™ required

The policy of our company is to continually innovate and develop our products.
Therefore, we reserve the right to change the specifications without prior notice.

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