

Measuring Noise at Work

Using the Sound Level Meter Nor131/Nor132 and the NorProtector Software Nor1025



Features

- Easy to use SLM with single 120 dB measurement range
- Measures parallel LAeq and LCpeak
- Large memory for multiple work positions
- Drag&Drop all measurement into PC via USB interface
- NorProtector software calculates noise exposure on individual persons based on multiple work positions and print out the report for each individual
- 1/1-octave real-time filters for selection of optimal hearing protector at the individual work positions

Employers have a legal duty to protect the hearing of their employees. You may have a noise problem in your workplace if people have to shout or having difficulty being heard clearly by someone about 2 metres away. In addition to causing noise-induced hearing loss, noise can create stress and be a safety hazard at work, interfering with communication.

Previously accepted action levels by noise in the workplace have been reduced by the new EU-Directive 2002/44/EF. These noise exposure levels require employers to take certain steps to reduce the harmful effects of noise on hearing.

The first step is to carry out noise assessments on a regular basis. Norsonic AS provides the ideal package for this application.





Sound Level Meters Nor131 and Nor132

The Nor131 (Class 1) and the Nor132 (Class 2) SLMs are ideal for noise deafness risk assessments under the EU Physical Agents (Noise) Directive 2002/44/EF. It measures all required functions, and presents the results both during and after the measurement period.

The $L_{Aeq,t}$ and L_{Cpeak} values are provided to allow the $L_{EP,d}$ and peak action levels to be determined from quick and simple measurements at each workstation. Where exceedences are detected the difference value L_{Ceq} – L_{Aeq} is available to allow the HML method of hearing protector to be specified.

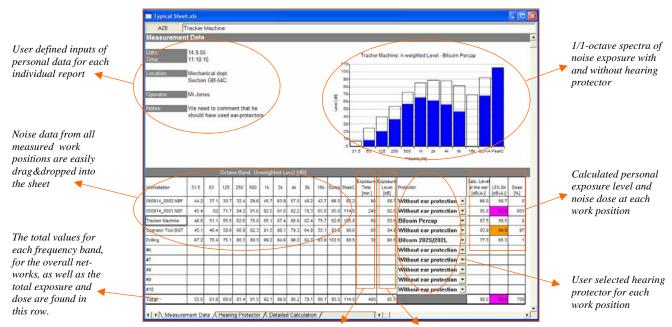
For a more detailed analysis, the instruments may be upgraded



with 1/1-octave real-time frequency analysis (Option 1). The resulting frequency spectrum is available at the same time as the initial measurement and gives the

information necessary to both specify noise control measures and for the correct prescription of personal hearing protection.

NorProtector Software Nor1025



Exposure time at each work position must be set by the user

Calculated exposure level at each work position

The Nor1025 NorProtector software calculates all the required results for the noise deafness risk assessments. With a quick drag & drop operation all measurements

from most Norsonic SLM are imported. The user only need to specify the duration of work at each position, and the values exceeding the action level turns out in colour. Individual data for each person may be entered.

The software includes a database for selection of the most effective personal hearing protector.



Distributor:			