

# HealthVib inSeat

## The integrated vibration warning system

The concept *HealthVib inSeat* constitutes of a sensor and an indicator unit *Vibindicator inSeat*.

HealthVib inSeat measures and analyses whole body vibrations (WBV) as required by ISO-2631 and EU-directive 2002/44/EG. As an integrated part in the normal driver environment it works as a tool for the driver to learn about the vibrations he or she is exposed to.

The vibration dose (A(8)-value) can be viewed instantly on the Vibindicator inSeat and works as a warning system for the user.

The data can also be imported and viewed in a computer for long-term environmental health risk assessment. The data is saved in files based on date and time when recorded.

If the driver uses different machines during a work day/period the Vibindicator inSeat is carried and connected between specific machine, given a HealthVib inSeat is installed.

The sensor is integrated in the seat and will not be an incrimination to the driver.

The vibration data is wirelessly transmitted between the HealthVib inSeat and the Vibindicator inSeat.

For later analysis the computer software CVK VibView Light\* is included.

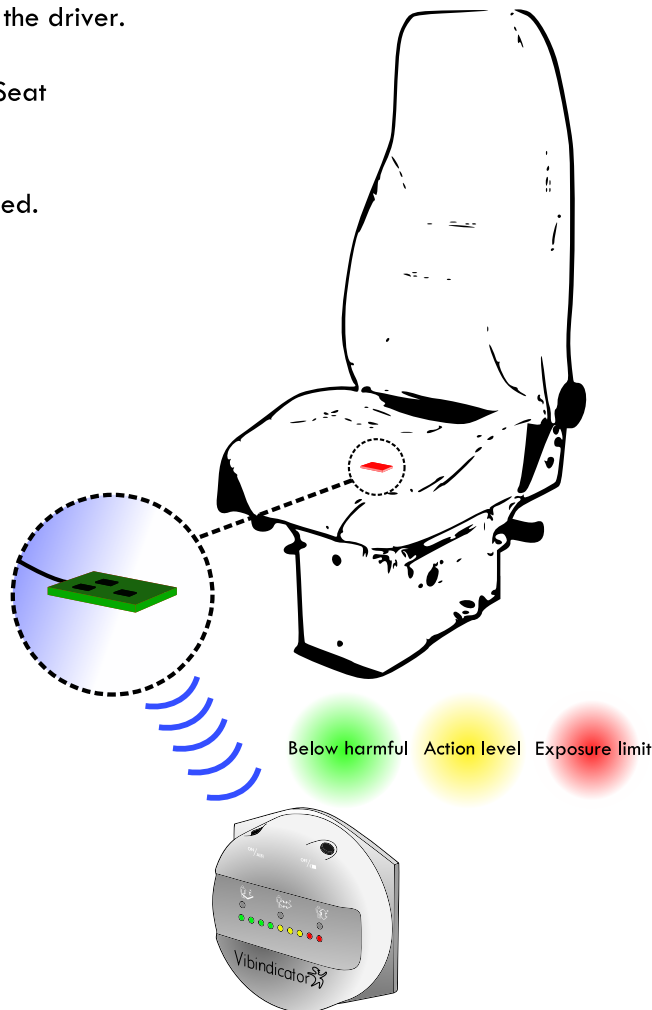
\*Windows Vista or XP compatible.

## HealthVib inSeat technical specifications

Sensor type: 3-axis accelerometer  
Measurement unit:  $m/s^2$  (r.m.s)  
Sample rate: 640 three-axis samples per second  
Frequency range: 0.5-80 Hz  
Power: 12-36 Volt  
Calculate: A(8), current level

## Vibindicator inSeat specifications

Connection technique: radio  
Measurement unit: m/s (r.m.s)  
Memory capacity: 31 days  
Power: 12-36 Volt  
Displays: A(8), current level



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