

# Vibindicator™

## vibration indicator

**Vibindicator™** functions as an external display to visualise and store the vibration dose ( $m/s^2$ ) that for example a driver of a vehicle is exposed to.

The vibration dose in x-, y- and z-direction are measured by the vibration dosimeter **HealthVib®** and are transferred by a wire-less link to the Vibindicator.

The Vibindicator presents the **vibration dose** and the **dominating direction of vibration** via twelve light-emitting diodes. Three white diodes are used to indicate the dominating direction of vibration and the dominating direction of vibration is indicated by a steady white light. The two other diodes flash once per second which indicates that the reception of vibration data is working.

The nine coloured diodes: four green, three yellow and two red. Green corresponds to a vibration dose below the **action value (0.5 m/s<sup>2</sup>)**, yellow above the action value but below the **exposure limit value (1.1 m/s<sup>2</sup>)** and red above the exposure limit value.

The indication of the "dominating direction of vibration" and the vibration dose are based on measured data for the ten latest seconds and are updated once per second.

A driver of a vehicle can use the feedback from the Vibindicator to understand the link between different driving techniques and conditions to minimise their exposure to excessive vibration.

The accumulated daily dose can be indicated and the driver can instantly see if the vibration exposure has exceeded the limits.

Up to 17 hours of measured data can be stored on the Vibindicator. The soft ware VibView™ can export the measured data to a PC.

### PRODUCT PROGRAM

#### HealthVib®

An instrument for measuring vibrations on humans in three directions, x, y, and z, in accordance to the EU directive.

Model **STANDARD** - is used to measure whole-body vibrations in accordance with current work environment regulation. Can be used with a rubber plate for sitting or standing.

Model **BODY** - is used to measure whole-body vibrations where the standard model cannot be used. Is strapped directly on the body.

Model **HAV** - is used to measure hand and arm vibrations. Is strapped directly on the hand or the arm.

#### Vibindicator™

The vibrations dose from the dosimeter is presented to the employee in 10 seconds doses by different coloured light-emitting diode. The indicator stores data for processing in PC.

#### HealthVib®-inSeat

The vibration measuring system for integration in driver seats and adaption for specific seat models. The enclosed indicator displays the current vibration level, dominating direction and accumulated dose, and notifies the driver with feedback and knowledge about current health risks.

#### QualityVib™

An instrument for measuring vibrations on materials such as floors, cargos and vehicles. *All products are patented.*

**CONSULTATION SERVICES** are available – emphasis is on identification of specific vibration control needs and the development of innovative solutions to meet unique needs.

## Technical specification 2008 05 CVK • Vibindicator™

Through the use of the Vibindicator, instant vibration dose is presented in different colours corresponding to the harmful level.

This increases your possibilities to lower the vibrations by i.e. modifying driving technique and equipment.

The indicator stores data for processing in PC.



## Vibindicator™ Technical specification

Stores data from dosimeters in 1-second r.m.s. values

Battery time: 16 hours

Charge time: 6 hours, battery charger is included

Size: HealthVib 80 x 58 x 18 mm (L x W x H)

Weight: Vibindicator 40 g.

Acquired data can be exported and processed in the VibView™ software.



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