

# WBV Vibindicator™

## Vibration indicator

**Vibindicator™** functions as an external display to visualise and also 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 wire-less 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 ( $0.5 m/s^2$ )**, yellow above the action value but below the **exposure limit value ( $1.15 m/s^2$ )** 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. 16 hours of measured data (r.m.s.) can be stored on the Vibindicator. Measured data can be exported to PC-software.

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## PRODUCT PROGRAM

**HealthVib®** Models:

**WBV 300** - is used to measure whole-body vibrations in accordance with current work environment regulation. Intended for sitting or standing position.

**HAV 100** – A 6-channel system to measure hand and arm vibrations.

Measurement unit with sensor can be mounted directly on vibrating surface or by using measurement gloves.

**WBV 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. It can be placed for visual feedback, i.e. at front window in vehicle.

**HealthVib®-inSide**

The vibration measuring system for integration in e.g. driver seat. 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. Vibration dose for just 30 days can be visualized in software.

## Technical Concept 2014 03

### CVK • WBV 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.



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## WBV 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 CVK software.



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