

# HealthVib WBV500

Whole body vibration measurement instrument

*Works in accordance with ISO2631 and  
EU-directive 2002/44/EG*



## Application

- Measurement of whole body vibration exposure on different vehicles and machines.
- Pedagogical Vibindicator shocks: to use the simultaneous vibration monitoring to educate operators. (Intuitive feedback to user with green, yellow and red diods on Vibindicator WBV shocks).
- Perform risk assessment: to minimize vibration exposure risks at work.



## Smarter Design

HealthVib WBV is a wireless system using MEMS sensor that are solid & robust. Measurements can be started and paused automatically and excluding unwanted data. Data can be also sent wireless on an external display, Vibindicator WBV shocks.

Vibindicator WBV shocks display momentary levels of shocks with colors.

Simple configuration and user-friendly interface helps to reduce the preparation time. This makes measurement efficient.

## Key Features

- Measure vibrations in three/six directions (x,y,z) presented as 1 second r.m.s. values and presented on display and momentary dose on Vibindicator WBV shocks.
- Quick set up and portable with no wires.
- Activating body sensor; it will be possible to get just the useful data of operating time.
- Calculation of daily dose value; A(8), VDV and Peak and Sed.
- Automatically display the dominant direction during the measurement on color display 128 x 128 px, and easy to check every results on display after measurement.
- USB memory with 4GB capacity to store filtered and raw data.
- 4-button interface
- Extended analyse including FFT analysis with suggested report template in VibNoiseView- software analysis.
- Easy to investigate individual direction and measurement values including shocks.
- Recalculates results depending on estimated time
- Export data to other formats.



## VibNoiseView- Software analysis

# HealthVib WBV500 System

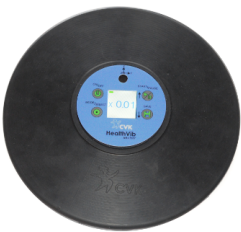
Technical Specification



Optional

Product	HealthVib WBV500	Vibindicator WBV Shocks
Material Measured	Plastic/Rubber Se, Sed, $A_{rms}$ , $A_{VDV}$ , Peak, A(8)	Plastic Se*, Sed
Memory type	Integrated micro SD	N/A
Memory Capacity	>10 hours	N/A
User interface	Color display 128x128 px	3 status indicating LED's 9 vibration level LED's
Dimensions	ø215mm x 12mm	58 x 58 x 18 mm
Weight	335 gram	40 gram
IP-class	40	40
PC Communication	Micro USB	Mini USB
Wireless Range	Up to 5 m	Up to 5 m
Battery Time	>10 hours	16 hours
Battery voltage	3.7 V	3.7 V
Charging Interface	Micro USB	Mini USB
Accessories		Velcro patches
Accelerometer		
Type	Mems Tri-axiell (x, y, z)	* momentary Se level.
Sensitivity	660 mV/g	
Measurement Range	20 m/s <sup>2</sup> peak	
Dynamic Range	72 dB	
Resolution	0.01 m/s <sup>2</sup>	
Frequency Bandwidth	0 - 1.6 kHz	
Temp Range	- 10 to +60 °C	

## HealthVib WBV500 System



### HealthVib WBV500 (CVK1210)

Measures Whole-body vibration exposure in 3 directions (x,y,z). The package includes WBV500 , seat pad, VibNoiseView software analysis and instrument case.

