



HealthVib© WBV

Measures and calculates vibrations
to meet the requirements of 2002/44/EC



Vibindicator® WBV

Displays and stores vibration level and dose from
HealthVib WBV for further analysis.



Technical specifications for HealthVib WBV measuring system

Characteristics	HealthVib WBV measuring system
Standards	Use in accordance with ISO-2631, 2002/44/EC
Frequency weighting	W_k, W_d
Measured magnitudes	$A_{rms}, A(8), A_{mom}^*$ (m/s ²)

Product specifications	HealthVib WBV	Vibindicator WBV
Material	Plastic	Plastic
Measured/saved magnitudes	$A_{rms}, A(8)$	$A_{xyz,rms}, A(8), 1s A_{mom}^*$
Memory type	Integrated flash	Integrated flash
Memory capacity	16 hours (Last measurement)	16 hours (1 s rms values)
User interface	Display	3 status indicating LED's 9 vibration level LED's
Dimensions	80x 58 x 18 mm	58 x 58 x 18 mm
Weight	43 gram	40 gram
IP-class	40	40
PC Communication interface	Not Available	Mini USB
Transmission	Transceiver (<1 mW radio)	Receiver
Transmission frequency	869.8 MHz	869.8 MHz
Range	Up to 5 m	Up to 5 m
Battery time	16 hours	16 hours
Battery voltage	3.7 V	3.7 V
Charging voltage	5 V	5 V
Battery charger interface	Mini USB	Mini USB
Calibration	With shaker	Not available
Accessories	Seat plate ø250 mm, 436 gram	Velcro bands

*momentary weighted r.m.s vibration level.

Accelerometer specifications

Accelerometer type	Mems Tri-axial (x, y, z)
Sensitivity (12bit)	920-1126 LSB/g
Measurement range	20 m/s ² peak
Dynamic range	72 dB
Resolution	0.01 m/s ² rms,
Frequency bandwidth	0 – 160 Hz
Temperature range	-40 to 85 °C

Available systems

Containing

WBV standard system (CVK1101)	HealthVib WBV, carrying case, documentation, cables
WBV Complete system 1 (CVK1105)	HealthVib WBV, Vibindicator WBV, CVK VibView 2.0, carrying case, documentation, cables