



HealthVib© WBV 300

Measures, calculates and present vibrations in three directions based on r.m.s., VDV, peak and crest values to meet the requirements of 2002/44/EC



WBV Vibindicator™

Displays and stores vibration level and dose from HealthVib WBV for further analysis. Accumulated and momentary vibration dose are presented

Technical specifications for HealthVib WBV 300 measuring system

Characteristics	HealthVib WBV 300 measuring system	
Standards	Use in accordance with ISO-2631, 2002/44/EC	
Frequency weighting	W_k, W_d	
Measured magnitudes	A_{mom}^* , A_{rms} , A_{adv} , A(8), Peak, crestfactor (m/s ²)	
Product specifications	HealthVib WBV 300	Vibindicator WBV
Material	Plastic/Rubber	Plastic
Measured/saved magnitudes	A_{rms} , A_{adv} , Peak, Crest, A(8)	A(8), A_{mom}^*
Memory type	Integrated SD	Integrated flash
Memory capacity	>10 hours	16 hours (1s rms values)
User interface	Color display 128x128 px	3 status indicating LED's 9 vibration level LED's
Dimensions	ø215mm,height 11.9mm	58 x 58 x 18 mm
Weight	335 gram	40 gram
IP-class	40	40
PC Communication interface	Micro USB	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	>10 hours	16 hours
Battery voltage	3.7 V	3.7 V
Charging voltage	5 V	5 V
Battery charger interface	Micro USB	Mini USB
Calibration	With shaker	Not available
Accessories	Calibrator adaptor	Velcro bands Arm holder

*momentary weighted r.m.s vibration level.

Accelerometer specifications

Accelerometer type	Mems Tri-axial (x, y, z)
Sensitivity	660 mV/g
Measurement range	20 m/s ² peak
Dynamic range	72 dB
Resolution	0.01 m/s ²
Frequency bandwidth	0 – 160 Hz
Temperature range	-40 to 85 °C

Available systems

Containing

WBV 300 system (CVK1110)	HealthVib WBV 300 (incl seat plate), CVK VibNoiseView 3.0, carrying case, manual, charger, usb-cable
WBV Vibindicator (CVK1901)	Vibindicator WBV, manual, charger, usb-cable
Calibrator WBV Adaptor (CVK7010)	Adaptor for calibration
Calibrator incl WBV Adaptor (CVK7011, CVK 7012)	Calibrator incl adaptor for calibration