



HealthVib® inSeat

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



Vibindicator® inSeat

Displays and stores vibration level and dose from HealthVib inSeat further analysis.



Technical specifications for HealthVib inSeat

<i>Characteristics</i>	<i>HealthVib inSeat measurement system</i>	
Standards	Use in accordance with ISO-2631, 2002/44/EC	
Frequency weighting	W_k, W_d , Seat transfer function	
Measured magnitudes	$A_{rms}, A(8), A_{mom}$ (m/s ²)	

<i>Product specifications</i>	<i>HealthVib inSeat</i>	<i>Vibindicator inSeat</i>
Material	Not available **	Plastic
Measured/saved magnitudes	Not available **	$A_{rms}, A(8), 1s A_{mom}^*$, peak
Memory type	Not available **	Integrated flash
Memory capacity	Not available **	31 days (Daily rms values)
User interface	Not available **	3 status indicating LED's 9 vibration level LED's
Dimensions	37x 50 x 4 mm	58 x 58 x 18 mm
Weight	50 gram	40 gram
IP-class	Custom	40
PC Communication interface	Not Available	Mini USB
Transmission	Transceiver (<1 mW radio)	Receiver
Transmission frequency	869.4 MHz**	869,4 MHz**
Range	Up to 5 m	Up to 5 m
Power supply	12-24 V	12 V
Power consumption	35-45 mA	40 mA
Power interface	Custom	Mini USB
Calibration	With calibrator	Not available
Accessories		Velcro bands, USB-transformator 12 to 5 V

*momentary weighted r.m.s vibration level. ** For integration with Seat.

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	0.5 – 80 Hz
Temperature range	-40 to 85 °C

Available systems

WBV inSeat
(CVK2211)

Containing

HealthVib inSeat, Vibindicator inSeat, CVK WBV Light, documentation, cables