



### **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 data presentation.



## Technical specifications for HealthVib inSeat

Characteristics	HealthVib inSeat measurement system
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 <sup>2</sup> )
Sample rate	640 Hz

Product specifications	HealthVib inSeat	Vibindicator inSeat
Material	Not available **	Plastic
Measured/saved magnitudes	Not available **	$A_{xyzrms}, A(8), 1s A_{mom}^*$
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)	1024 LSB/g
Measurement range	20 m/s <sup>2</sup> peak
Dynamic range	72 dB
Resolution	0.01 m/s <sup>2</sup> rms,
Frequency bandwidth	0 – 160 Hz
Temperature range	-40 to 85 °C

### Available systems

WBV inSeat  
(CVK2211)

### Containing

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