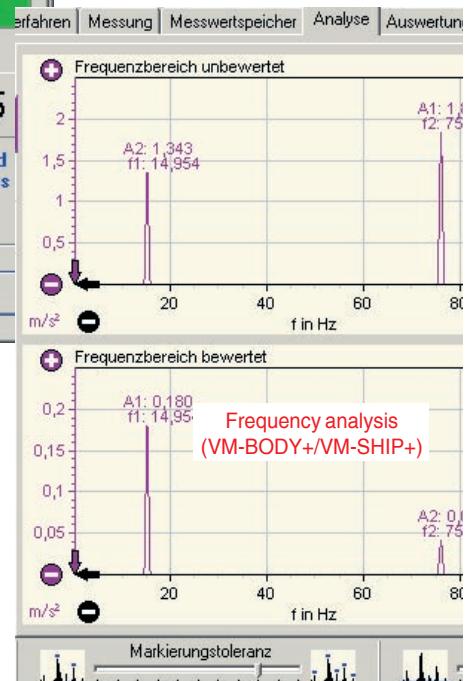
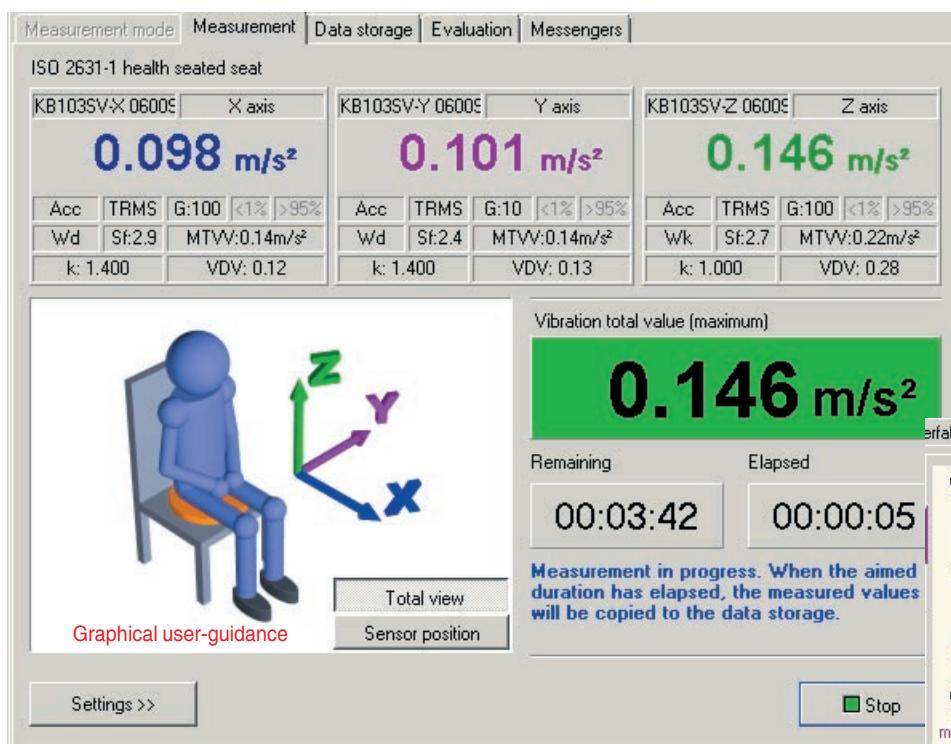


# PC Based Whole-Body Vibration Meter

8.3

Human Vibration

**VibroMetra**  
**VM-BODY**  
**VM-SHIP**



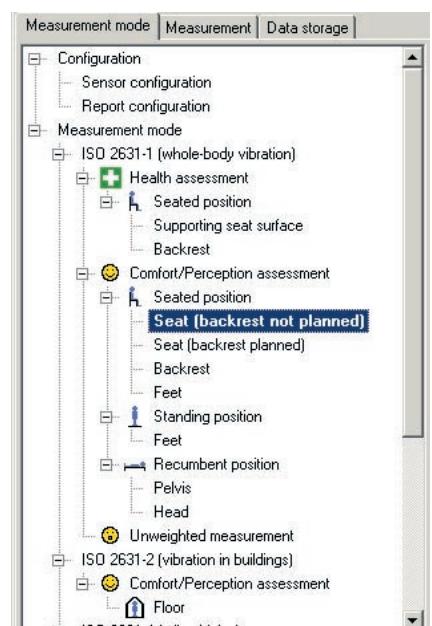
## Application

- VM-BODY: Measurement of whole-body vibrations in vehicles, railways, construction machines, buildings etc. to EN ISO 263
- VM-SHIP: Measurement of whole-body vibrations on board ships to ISO 20283-5 (formerly ISO 6954)
- Evaluation of comfort and potential health risk

## Properties

- Contains weighting filters Wb, Wc, Wd, Wj, Wk and Wm to ISO 8041 (VM-SHIP only weighting filter Wm)
- Measurement of 3 axes simultaneously
- Display of interval RMS for three axes, VM-BODY also maximum RMS (MTVV) and crest factor
- Calculation of total vibration value Ahv
- Protocol and export function
- High reliability by text based and graphical user guidance
- PC based measuring system using the IEPE/ USB interface M302 and IEPE compatible accelerometers
- The instrument has a clone function, i.e. several program windows can be operated simultaneously with different settings
- Offline measurement with stored data
- Evaluation based on limit values according to standards
- Free update service from our website [www.MMF.de](http://www.MMF.de)
- Available as kit: VM-BODY Kit / VM-SHIP Kit

**Notice:** The software is bilingual English / German



Selection of the measurement mode

## Technical Data

. Notice: For each channel a separate software license is required.

	VM-BODY+	VM-BODY	VM-SHIP+	VM-SHIP
<b>Measurand</b>	Interval RMS value, maximum RMS value (MTVV) and crest factor of vibration acceleration		Interval RMS value of vibration acceleration or velocity	
<b>Filter</b>	Weighting filters Wb, Wc, Wd, Wj, Wk and Wm to ISO 8041		Weighting filter Wm	
<b>Measurand display</b>	3 measuring values with 5 digits each			
<b>Frequency analysis</b>	yes	no	yes	no
<b>Status display</b>	sensor, measuring channel, measurand, parameter, gain, low level, overload			
<b>Measuring modes</b>	<ul style="list-style-type: none"> <li>- Whole-body vibration to ISO 2631-1 (except motion sickness and rotational vibration)</li> <li>- Vibrations in buildings to ISO 2631-2</li> <li>- Vibrations in fixed-guideway transport systems to ISO 2631-4</li> </ul>		<ul style="list-style-type: none"> <li>- Measurement of Whole-body vibration on board ships to ISO 20283-5</li> <li>- Evaluation to class A, B or C</li> </ul>	
<b>Functions</b>	<ul style="list-style-type: none"> <li>- User guidance</li> <li>- Selection of the measuring mode</li> <li>- Help function for sensor placement</li> <li>- Display of elapsed and remaining measuring time</li> <li>- Display of three interval RMS values</li> <li>- Display of three maximum RMS values (MTVV)</li> <li>- Display of three crest factors</li> <li>- Display of total vibration value (Ahv)</li> <li>- Evaluation conforming to standards</li> <li>- Report generation</li> </ul>		<ul style="list-style-type: none"> <li>- User guidance</li> <li>- Selection of the measuring mode</li> <li>- Help function for sensor placement</li> <li>- Display of elapsed and remaining measuring time</li> <li>- Display of three interval RMS values- Display of total vibration value (Ahv)</li> <li>- Evaluation conforming to standards</li> <li>- Report generation</li> </ul>	
<b>External messengers (opt.)</b>	Email (VM-MAIL), large color display (VM-LARGE) or FS20 radio switch system (VM-RADIO)			
<b>Recommended sensor</b>	Seat pad accelerometer KS963B100-S		High sensitivity triaxial accelerometer KS823B	
<b>Contents of the Kit*</b> <b>VM-BODY Kit (VM-SHIP Kit)</b>	2 M302, 1 seat pad accelerometer KS963B100-S, 1 plug adapter 034, 2 USB cables, 3 software licenses VM-BODY		2 M302, triaxial accelerometer KS823B with 10 m cable, tripod floor plate 729, wall adapter 629, magnet 508, plug adapter 034, 2 USB cables, 3 software licenses VM-SHIP	

VM-BODY Kit



VM-SHIP Kit



All components are also available individually. Please note the price advantage of the kit.