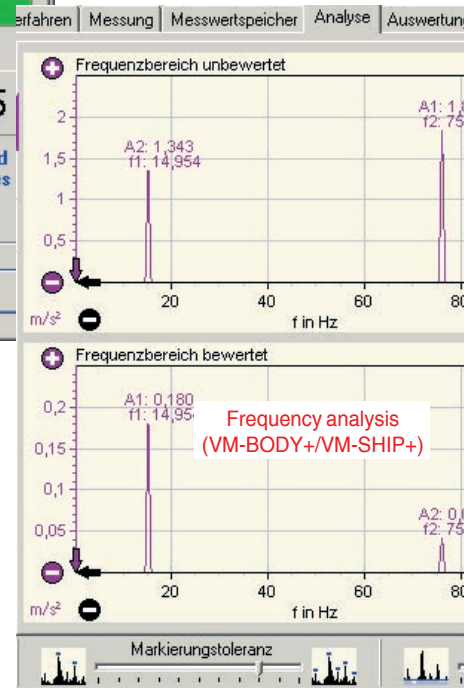
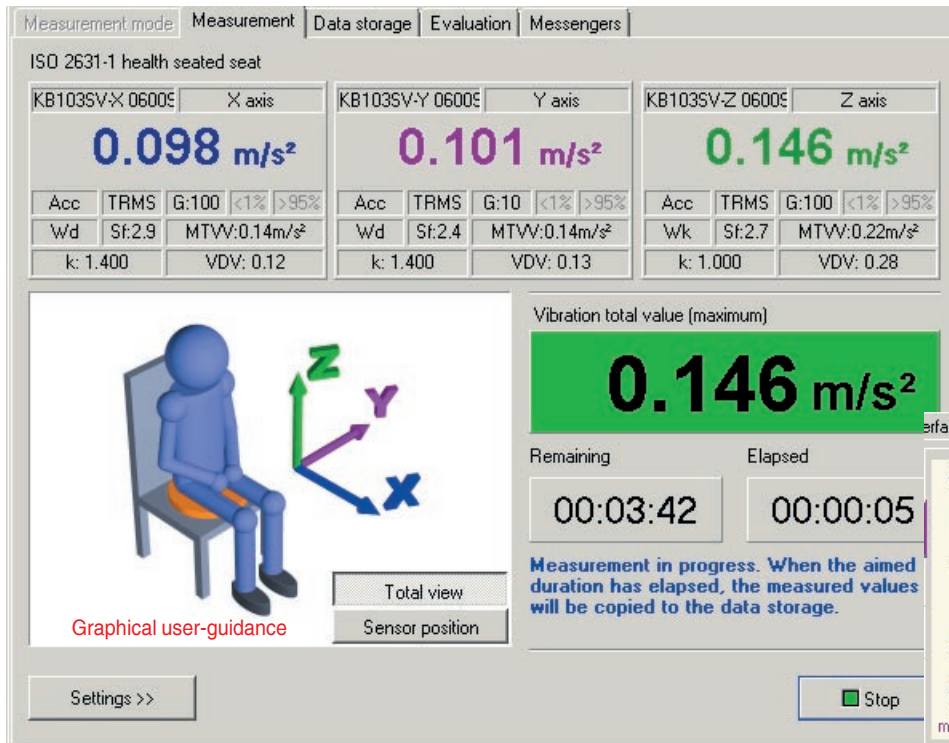


VibroMetra VM-BODY VM-SHIP



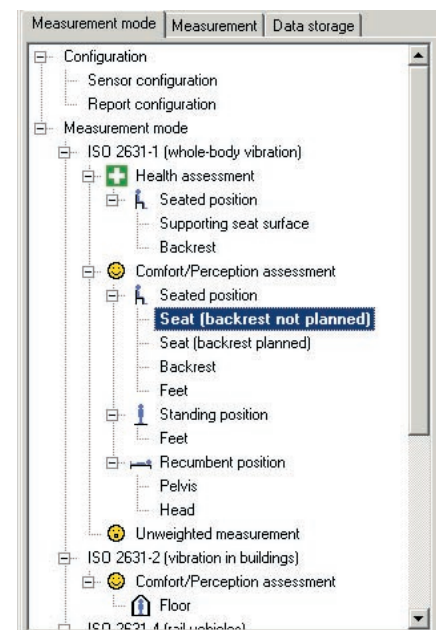
Application

- 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 (MTWV) 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
- Available as kit: VM-BODY Kit / VM-SHIP Kit

Notice: The software is bilingual English / German



Selection of the measurement mode

Technical Data

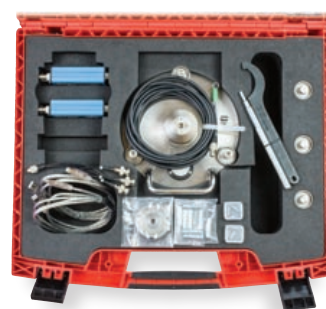
. Notice: For each channel a separate software license is required.

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

Metra Mess- und Frequenztechnik in Radebeul e.K.

Specifications subject to change without prior notice.