



## Application

- Based on the balancing software license VM100-HUM for the vibration analyzers VM100A and VM100B
- Includes the Vibration Analyzer VM100B, sensor and accessories
- Measurement of the vibration effect on the hand-arm system
- Vibration Total Value (Ahv) according to ISO 5349-2 / ISO 8041-1
- Vibration Peak Magnitude VPM for isolated and repeated shock to ISO/DIS 5349-4
- Occupational health measurements to EU directive 2002/44/EC and development-related measurements on hand-held tools
- Suitable for measurements according to the EU Machinery Regulation (EU) 2023/1230, Section 2.2.1.1

## Properties

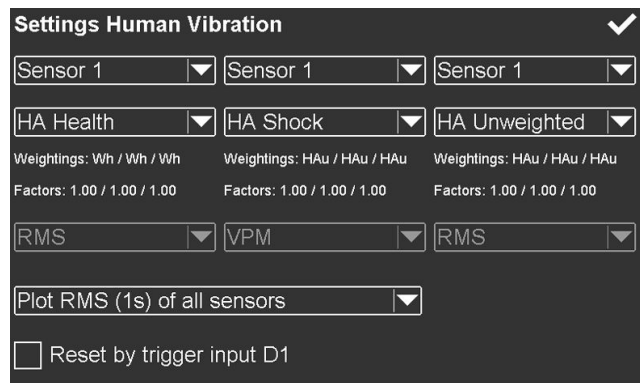
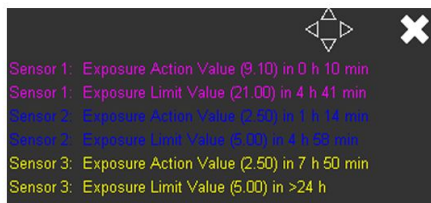
- Easy to use and clear user guidance
- Simultaneous display of 3 different measurements, e.g. Ahv, VPM, unweighted
- Display of 3 axis values (X/Y/Z) and total values
- Graphical plot display up to 10 hours
- Display of the remaining work time before reaching the exposure limit value
- External reset via digital input
- Advantageous in combination with the FFT analysis included in the scope of delivery
- Expandable for whole-body vibration (compare VM100B-HAWB)

## Technical Data

|                    |   |
|--------------------|---|
| Measuring channels | 3 (X/Y/Z)   |
| Weighting filters  | Wh and band filter 6.3 – 1250 Hz  |
| Operating modes    | Vibration Total Value (Ahv) for health evaluation to ISO 5349-2<br>Shock vibration peak magnitude (VPM) to ISO/DIS 5349-3 |
| Plot diagram       | up to 10 h running RMS of X/Y/Z or Ahv/VPM  |
| Data export        | CSV measurement data table and bitmap screenshot  |

### Scope of delivery

Kit VM100B-HA:  
 VM100B Vibration Analyzer, 3 channels  
 Triaxial accelerometer KS963B10  
 Sensor cable, 3 m  
 Hand-held adapter model 141B  
 Handle adapter for cable ties model 143B  
 Sensor calibration adapter model 027



Manfred Weber

**Metra Mess- und Frequenztechnik in Radebeul e.K.**

Meissner Str. 58a

01445 Radebeul

Tel. +49 (0)351 836 2191

Internet: [www.MMF.de](http://www.MMF.de)

Email: [Info@MMF.de](mailto:Info@MMF.de)

Fax: +49 (0)351 836 2940

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