



Application

- Software module of the PC based vibration measurement system VibroMetra
- Measurement and evaluation of whole-body vibrations to EN ISO 2631
- Health evaluation of vibrations in vehicles, construction machinery, forklift trucks etc. to ISO 2631-1
- Measurements for the implementation of EU guideline 2002/44/EC
- Measurement of vibrations in buildings to ISO 2631-2
- Comfort evaluation of vehicles
- Vibrations in fixed-guideway transport systems to ISO 2631-4

Properties

- Measurement of the RMS of weighted acceleration in three orthogonal directions
- Vibration total value (Ahv)
- Vibration dose value (VDV)
- Various weighting filters to ISO 8041-1
- User guidance corresponding to the standard
- Offline processing of stored measurement data
- FFT analysis of vibration events with VM-BODY+
- Calculation of daily vibration exposure A(8)
- Generation of individualized reports
- Available as kit including hardware and sensor

Technical Data

	VM-BODY	VM-BODY+
Event analysis	no	FFT
Measurands	Interval RMS; maximum RMS (MTVV) Vibration dose value (VDV); crest factor	
Frequency weightings	Wb; Wc; Wd; Wj; Wk; Wm	
Optional accessories	M312B USB sensor interface (2 units needed) Triaxial seat pad accelerometer KS963B100-S/01	

Notice

A free trial version of VibroMetra including VM-BODY can be downloaded from our website www.MMF.de.

Measurement mode	X(m/s ²)	Y(m/s ²)	Z(m/s ²)	Total	Assessment
1. ISO 2631-1 comfort/perception seated seat (no backrest me)	0.200	0.220	0.629	0.696	acceptable
2. ISO 2631-1 health seated seat	0.097	0.350	0.019	0.350	good
3. ISO 2631-1 health seated seat	0.046	0.220	0.156	0.220	good
4. ISO 2631-1 health seated seat	0.387	9.824	0.330	9.824	bad

Metra Meß- und Frequenztechnik Radebeul GmbH & Co. KG

Meißner Str. 58a
01445 Radebeul
Tel. +49 (0)351 836 2191

Internet: www.MMF.de
Email: Info@MMF.de
Fax: +49 (0)351 836 2940

