

Application

- Software module of the PC based vibration measurement system VibroMetra
- Measurement of hand-arm vibrations to EN ISO 5349
- Evaluation of vibrations at the workplace
- Prevention of blood vessel, nerve, bone and joint diseases
- Measurements for the implementation of EU guideline 2002/44/EC
- Evaluation of vibrations in the development of hand-held machine tools

Properties

- Triaxial measurement of interval RMS value of weighted vibration acceleration
- Weighting filter to ISO 8041-1
- Calculation of daily vibration exposure $A(8)$
- Offline processing of stored measurement data
- FFT analysis of vibration events with VM-HAND+
- Calculation of daily vibration exposure $A(8)$
- Generation of individualized reports
- Available as kit with hardware and sensor for one or both hands

Technical Data

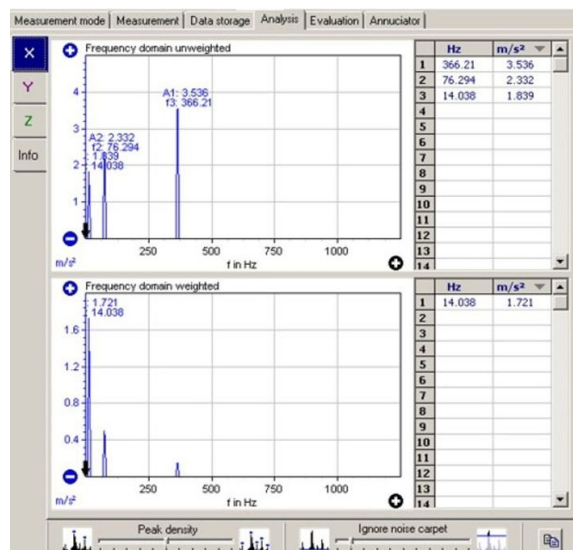
	VM-HAND	VM-HAND+
Event analysis	no	FFT
Measurands	Interval RMS of weighted acceleration	
Frequency weighting	Wh	
Calculations	Vibration total value Ahv	
	Daily vibration exposure A(8)	
Optional accessories	M312B USB sensor interface (2 units needed) KS963B10/01 triaxial accelerometer 141B Adapter for strap attachment on curved surfaces 143B Hand-held adapter for curved surfaces	

Notice

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

Measurement mode	Measurement	Data storage	Analysis	Evaluation	Annunciator
Measurement	Time	Value			
1. triaxial	19.02.2013 10:32:07	2.439 m/s ²			
Hierarchy	Description	Duration	Value		
[-] Daily exposure		05:00:00	A(8) = 3.893 m/s²		
[-] Exposure segment		02:00:00	A(8) = 1.857 m/s ²		
[-] Handle		00:01:00	ahv = 3.714 m/s ²		
[-] Total value	3. triaxial: Drilling brick	00:01:00	ahv = 3.714 m/s ²		
[-] X-Value			ahw = 0.527 m/s ²		
[-] Y-Value			ahw = 0.372 m/s ²		
[-] Z-Value			ahw = 3.657 m/s ²		
[-] Exposure segment		03:00:00	A(8) = 3.422 m/s ²		
[-] Handle		00:01:00	ahv = 5.587 m/s ²		
[-] Total value	2. triaxial: Drilling concrete	00:01:00	ahv = 5.587 m/s ²		

Print report for selected exposure segment, using template: Second report example



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