# VM100 Kit for Whole-Body Vibration

# **VM100B-WB**

() Huma	tion Analyzei an Vibration	<ul> <li>✓ M100</li> <li>✓ I ≡ E</li> </ul>		
Max = 2.87 m/s MTVV = 33.67 Crest = 24.8 1: W/B Health	m/s² 🕖 \varTheta			
Max = 29.66	ed	Hand a start water and	WWWW WWW RESET	
1% 2.20 m/ 1Y: 2.20 m/ Max = 2.20 m/s MTVV = 25.00 Crest = 19.2	m/s <sup>2</sup> 0.01	17.02.24 17:01:24 17:00:24 16:59:24	4 16:58:24 16:57:24 16:58:24	
Duration 00:0				

## 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 body via seat, backrest and feet
- Maximum Interval RMS of X/Y/Z to ISO 2631 / ISO 8041-1
- Maximum Vibration Dose Value( VDV) of X/Y/Z to ISO 2631 / ISO 8041-1
- Occupational health measurements to EU directive 2002/44/EC and development-related measurements on machines and vehicles

#### Properties

- Easy to use and clear user guidance
- Simultaneous display of 3 different meaurements, e.g. RMS, VDV, 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 dgital input
- Advantageous in combination with the FFT analysis included in the scope of delivery
- Expandable for hand-arm vibraten (compare VM100B-HAWB)



## **Technical Data**

3 (X/Y/Z)		
Wb, Wc, Wd, We, Wj, Wk, Wm and band filter 0.4 – 100 Hz		
Maximum interval RMS for whole-body vibration to ISO 2631		
Maximum vibration dose value (VDV) for whole-body vibration to ISO 2631		
Maximum transient vibration value (MTVV) to ISO 2631		
Crest factor for whole-body vibration to ISO 2631		
up to 10 h running RMS of X/Y/Z or Ahv/VPM		
CSV measurement data table and bitmap screenshot		

#### Scope of delivery

Kit VM100B-WB: VM100B Vibration Analyzer, 3 channels Triaxial seat pad accelerometer KS963B100-S





Settings Human Vibration					
Sensor 1 🛛 🗸	Sensor 1 🗸	Sensor 1			
WB Health 🛛 💌	WB Health	WB Unweighted 🔽			
Weightings: Wd / Wd / Wk	Weightings: Wd / Wd / Wk	Weightings: WBu / WBu / WBu			
Factors: 1.40 / 1.40 / 1.00	Factors: 1.40 / 1.40 / 1.00	Factors: 1.00 / 1.00 / 1.00			
RMS 🔽	VDV 🔽	RMS 🔽			
Plot RMS (1s) of all sensors					
Reset by trigger input D1					

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