VM100 Kit for Hand-Arm and Whole-Body VM100B-HAWB

Application

- Based on the balancing software license VM100-HUM for the vibration analyzers VM100A and VM100B
- Includes the Vibration Analyzer VM100B, sensors and accessories
- Measurement of the vibration effect on the hand-arm system
- Measurement of the vibration effect on the body via seat, backrest and feet
- Hand-Arm: Vibration Total Value (Ahv) according to ISO 5349-2 / ISO 8041-1
- Hand-Arm:Vibration Peak Magnitude VPM for isolated and repeated shock to ISO/DIS 5349-4
- Whole-Body: Maximum Interval RMS of X/Y/Z to ISO 2631 / ISO 8041-1
- Whole-Body: 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
- Suitable for hand-arm 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 meaurements, 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 dgital input
- Advantageous in combination with the FFT analysis included in the scope of delivery

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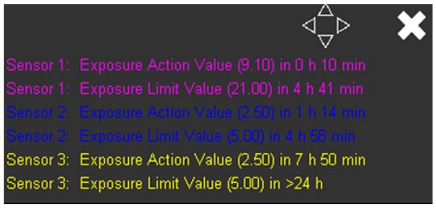
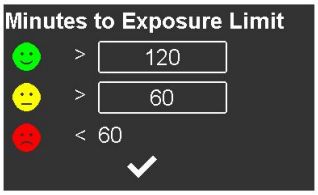
Technical Data

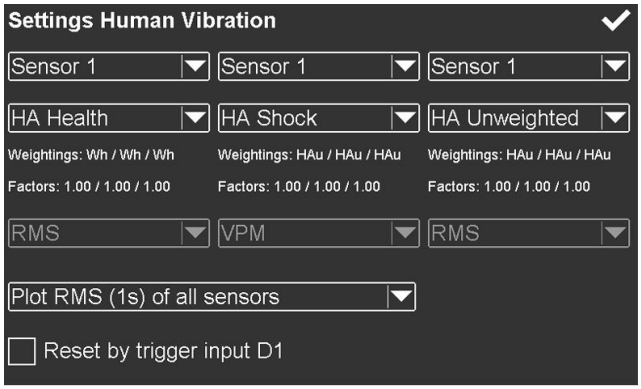
Measuring channels	3 (X/Y/Z)
Weighting filters hand-arm	Wh and band filter 6.3 – 1250 Hz
Weighting filters whole-body	Wb, Wc, Wd, We, Wj, Wk, Wm and band filter 0.4 – 100 Hz
Operating modes	Vibration Total Value (Ahv) for hand-arm health evaluation to ISO 5349-2
	Vibration peak magnitude (VPM) for hand-arm to ISO/DIS 5349-3
	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
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-HAWB:
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
Triaxial seat pad accelerometer KS963B100-S







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