VM100 Kit for Hand-Arm Vibration

VM100B-HA

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 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
- Expandable for whole-body vibraten (compare VM100B-HAWB)

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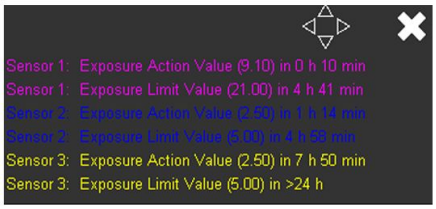
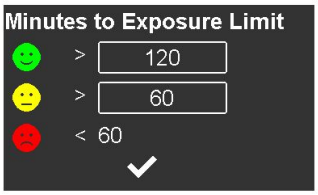
Technical Data

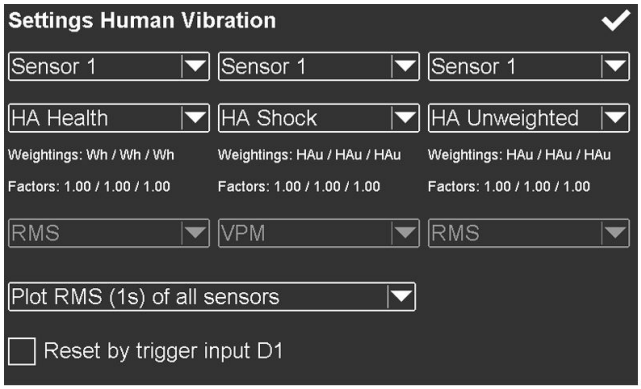
Measuring channels	3 (X/Y/Z)
Weighting filters hand-arm (ISO 8041-1)	Wh and band filter 6.3 – 1250 Hz
Overall values for hand-arm vibration to ISO 5349-2	Vibration Total Value (Ahv)
	Interval RMS values X/Y/Z
Overall values for hand-arm vibration with shocks to ISO 5349-3	Vibration Peak Magnitude (VPM)
	Peak values (X/Y/Z
	Vibration Shock Index (VSI)
	Repetition Rate (R)
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







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