

VIBRATION LEVEL METER/ANALYSER	
Standards	ISO 8041:2005; ISO 2631-1, 2&5
Meter Mode	RMS, VDV, MTVV or Max, Peak, Peak-Peak, Vector, A(8), Dose, ELV, EAV Simultaneous measurement in three channels with independent set of filters and detector constants
Filters	Wd, Wk, Wm, Wb (ISO 2631)
RMS & RMQ Detectors	Digital True RMS & RMQ detectors with Peak detection, resolution 0.1 dB Time constant from 100 ms to 10 s
Data Logger¹	Time-history data including meter mode results and spectra (option)
Time Domain Recording¹	Simultaneous x, y, z time-domain signal recording, sampling frequency 350 Hz, over 8 hours recording-time
Analyser¹	1/1 octave real-time analysis, 23 filters, Type 1: IEC 61260 with centre frequencies from 0.25 Hz to 125 Hz (option) 1/3 octave real-time analysis, 23 filters, Type 1: IEC 61260 with centre frequencies from 0.8 Hz to 125 Hz (option not available yet)
Accelerometer	Integrated triaxial accelerometer for Whole-Body measurements
Measurement Range	0.01 ms ⁻² RMS ÷ 50 ms ⁻² Peak
Frequency Range	0.1 Hz ÷ 150 Hz
BASIC DATA	
Input	Integrated MEMS accelerometers (channels 1, 2, 3) and force transducer (channel 4)
Dynamic Range	80 dB, 3 x 16 bits A/D converters (channels 1, 2, 3)
Force Range	0.2 ÷ 100 N (channel 4)
Sampling Rate	750 Hz
Memory	64 MB non-volatile flash type
Communication Interfaces	USB 1.1 Client
User Interface	Display OLED (16 x 104 pixels) Navigation (2 x push-buttons)
Power supply	SA 100 external battery pack (included) - operation time > 16 h External power supply - 5 V/150 mA DC Car "cigarette lighter" adapter (not included) - from 12 V up to 30 V DC USB interface (SC 116 included) - 150 mA HUB
Environmental Conditions	Temperature - from -10 oC to 50 oC Humidity - up to 90 % RH, non-condensed
Dimensions	235 mm x 12 mm
Weight	Approx. 540 grams (including cable and rubber cushion)
¹ Function parallel to the meter mode	