



## Application

- Machine condition monitoring to ISO 20816-
- General vibration measurement in laboratory and industry
- Quality control

## Properties

- Measurement of the RMS of vibration velocity or severity
- Precision shear type accelerometer with magnetic base
- Automatic detection of measuring points via the sensor base with electronic VMID measuring points
- Graphical trend display
- Memory for 16000 measurements
- USB interface
- PC software for measuring point management to MIMOSA convention (ISO 13373-1) and measuring data archiving
- Simple operation - no training required
- Brilliant, power-saving colored OLED display
- Economic AAA batteries or accumulators
- Pocket-sized

## Technical Data

### Measurement functions

Measurands	Vibration velocity/severity	
Overall values	True RMS value	
Measuring range velocity	0.1 to 1000	mm/s
Accuracy	±5 (±2 digits)	%
ADC resolution	24	Bit
Vibration trend	Graphical history of the saved vibration values	
Lower frequency limit velocity	10	Hz
Indication	OLED; RGB; 128 x 160 pixels	

### Connectors

Input channels	1	
Input signals	Low power IEPE	
Input connector	Socket Binder 711; 3 pins	
IEPE constant current	1.9 to 2.9	mA
Digital interfaces	USB 2.0 FS; CGC mode; ASCII command set; Binder 712; 8 poles	

### Power Supply

Battery	3 x LR03 / HR03 / AAA	
Battery operating time	8 to 12	h
External supply voltage	USB; 5	VDC

### Case Data

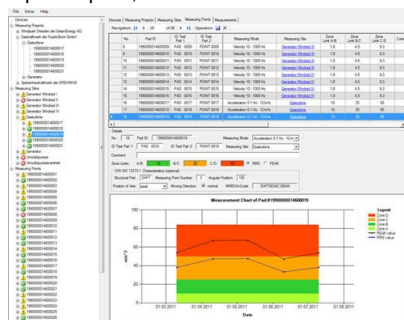
Dimensions without connectors	125 x 65 x 27 (H x W x D)	mm
Case material	ABS	
Weight	140 (without sensor)	g
Operating temperature range	-20 to 60 (95 % rel. humidity without condensation)	

**Scope of delivery**      Accelerometer KS82L with spiral cable  
                                   USB cable  
                                   VMID measuring point sample  
                                   Carrying case

**Optional accessories**    VMID measuring points  
                                   sensor probe VM2x-T  
                                   PC software VM2x Measurement Data Base

### Notice

Upon request, we offer an accredited calibration to DIN EN ISO/IEC 17025:2018.



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04.23

