

VIBER X3™

SMART PRODUCTS FOR SMART PEOPLE

Developed for vibration analysts, machine operators, and maintenance technicians. Easy to use, powerful for basic condition monitoring. Helps in maintaining machine reliability and verifying machinery repair. Store and trend condition data with Trend View.



Product of SWEDEN
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(An ISO 9001:2015, ISO 45001:2018 Certified Company)

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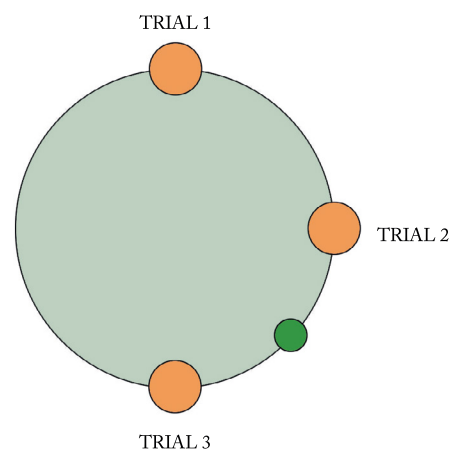
Trend View Software



Balancing report

Balancing results

Weight	150 g
Angle	212 °
Improvement	92 °
Acceleration	0.0 g [rms]
Velocity	2.3 mm/s [rms]
Displacements	0.0 μm [rms]



Technical data VIBER X3™

Vibration transducer	Accelerometer	Standard 100 mV/g ± 10%	(Selectable sensitivity in the instrument)
Input amplitude range	Vibration	Max 50 g RMS	With other sensor up to 500 g
	Bearing condition	Max 5 gBC	
Dynamic range	80 dB (156,08 Hz with auto ranging)		
Frequency range	Vibration	2 - 400 Hz 10 - 1000 Hz 6 - 1600 Hz 11 - 3200 Hz	User selectable
	Bearing condition	0,5 to 16 kHz	
Vibration units	g-value, m/s², mm/s, in/s, µm, mils		User selectable
Amplitude presentation	RMS, Peak, Peak-Peak		User selectable
Analysis	Five highest peaks can be displayed		VMI Trend View Software included for PC
Frequency range of peak detection	Frequency range		User selectable unit, between Hz and RPM
	2 - 400 Hz		
	6 - 1600 Hz		
	11 - 2000 Hz		
	10 - 1000 Hz		
Storage capacity	100 measurements can be stored		
Three-point balancing	10 balancing results can be stored		
Communication interface	USB 2.0		
Sound frequency Filter enabled	60 Hz - 10 kHz	+26 dB to -4.1 dB	
	500 Hz - 10 kHz	+26 dB to -4.1 dB	
Temperature sensor Range	Built-in infrared sensor		
	0 to 120 °C		
Accuracy	Vibration	± 3 %	Full scale is 50g for acceleration other units are frequency dependent
	Bearing Condition	± 5%	Over 0.03 gBC.
	Frequency/RPM	± 0.5 Hz/ ± 30 RPM	
	Temperature	± 1 °C	Emissivity factor must be set in accordance with the target surface.
Battery	Rechargeable Lithium	2300 mA/h, max 60 °C	Capacity of the batteries can vary depending on hardware revision. Max 2300 mAh. (Storage temp. -20 to max 60 °C)
Operating time	1 week normal use		Operating time depends on backlight, volume level and batteries used. Backlight adds 40mA and the sound volume up to 150mA. Charging time is approx: 6-12 hours.
External charger	5,0 V regulated @ 2000 mA		
LCD display	B&W 64 x 120 pixels with background light		Operating temp. min 0 °C to max 50 °C, storage temp. max 72 °C
Enclosure protection	IP 65		
Operating temp. range	0 to 50 °C		The restriction concerns display
Weight	415 gram		Instrument, including battery and transducer
Size (LxWxH)	165mm x 80mm x 50mm		