

VIBER X2™

SMART PRODUCTS FOR SMART PEOPLE

Designed for maintenance and repair teams and operators personnel that needs a reliable, fast and easy to use tool for basic condition monitoring in rough conditions.



- Real-time measurements of the total vibration level and the Bearing Condition (BC), shown simultaneously
- Bar indicator displays measurement stability
- Fast and easy fault analysis displaying the five largest amplitude peaks frequency in RPM or Hz on main screen display
- Low power consumption
- Overflow alarm limits are clearly displayed with a yellow and red LED indicator
- Several languages are available
- Dust and waterproof, for rough use (IP 65)

Technical data Viber X2™

Vibration transducer	Accelerometer	Standard nom 100 mV/g	(Selectable sensitivity in the instrument)
Input amplitude range	Vibration	Max 50g RMS	With other sensor up to 500g
	Bearing condition	Max 5 gBC	
Dynamic range	80 dB (at 156,1 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, mm/s, m/s², in/s, µm, mils		User selectable
Amplitude presentation	RMS, Peak, Peak-Peak		User selectable
Analysis	Five highest peaks can be displayed		
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		
Accuracy	Vibration	± 3%	Full scale is 50g for acceleration other units are frequency dependent All values are related to the normal acceleration 9,80665 m/s².
	Bearing condition	± 5%	Over 0.03 gBC
	Frequency/RPM	± 0.5 Hz/ ± 30 RPM	
Battery	Rechargeable Lithium	2300 mA/h max 60°	Capacity of the batteries can vary depending on hardware revision. Max 2300 mAh. (Storage temp. -20 °C to max 60 °C)
Operating time	1 week normal use		
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	340 gram		Instrument, including battery and transducer
Size (L x W x H)	145mm x 77mm x 47mm		
OBS. If changing to another accelerometer, the sensitivity (mV/g) must also be changed. This is done in the menu under "Transducer".			

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