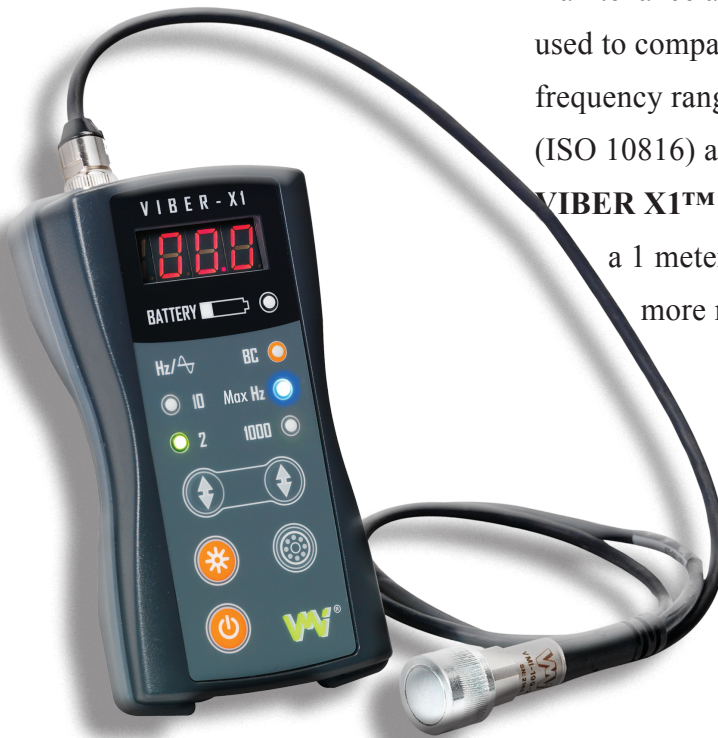


VIBER X1™

SMART PRODUCTS FOR SMART PEOPLE

The analogically designed instrument for maintenance and operating staff. Can be used to compare results in different frequency ranges. Measures both vibrations (ISO 10816) and Bearing Condition.

VIBER X1™ is delivered with an external sensor and a 1 meter cable. This makes the measurements more reliable and safe for the user.



- Charger and rechargeable batteries. 2 different versions, lithium or NiMH
- 4 selectable frequency ranges
- Bearing Condition and Vibration RMS value
- Rugged (IP 65)
- LED's indicate the selection of measuring range
- Battery indicator for low voltage

Technical data Viber X1™

Vibration transducer	Accelerometer	Standard nom 100mV/g	(Adjusted to the instrument)
Input amplitude range	Vibration	Max 20 g RMS	With other sensor up to 200 g
	Bearing condition	Max 20 gBC	
Dynamic range	60 dB (159 Hz)		
Frequency range	Vibration	2 - 1000 Hz 10 - 1000 Hz 2 - Max Hz 10 - Max Hz	User selectable
	Bearing condition	0.5 to 16 kHz	
Vibration units	g-value, mm/s		User selectable
Amplitude presentation	RMS		
Signal processing	Analogous		
Accuracy	Vibration	± 3 %	Full scale is 199,9 mm/s for vibration
	Bearing condition	± 5 %	Over 0,05 gBC
Battery	Rechargeable Lithium or NiMH (AAA)		Capacity for batteries is 2300 mA/h for lithium and 1100 mA/h for NiMH
Operating time	Min 24 or 12 hours for a full charged battery pack		Operating time depends on intensity on the LEDs and type of batteries. Ca 24 hours for Lithium and ca 12 hours for NiMH
External charger	5,0 V Lithium or 7,5 V NiMH (AAA)		
LED display	7 segment		
Enclosure protection	IP65		
Operating temp. range	-20 to 60°C		
Weight	285 gram		Instrument, including battery and transducer
Size (L x W x H)	125mm x 70mm x 40mm		
OBS. You should avoid using other accelerometers because of instrument calibration. If you change the accelerometer, the instrument must be calibrated to preserve the accuracy.			

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