

VIBRATION METER

Model: VB-8212 *ISO-9001, CE, IEC1010*





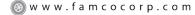
FEATURES

- * Applications for industrial vibration monitoring.
- * Frequency range 10 Hz 1 kHz, sensitivity relative meet ISO 2954.
- * Supply with vibration sensor & magnetic base, sensor head, full set.
- * Metric & Imperial display unit
- * Velocity measuring range : 200 mm/s, 7.87 inch/sec.
- * Acceleration measuring range : 200 m/s^2, 656 ft/s^2.
- * RMS & Peak measurement.
- * Wide frequency range.
- * Data hold.
- * Memory function to record max. and min. reading.
- * Separate vibration probe.
- * RS 232 computer interface.
- * Microcomputer circuit.
- * Hard carrying case included.



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The Art of Measurement



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VIBRATION METER

Model: VB-8212

1. FEATURES

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* Applications for industrial vibration monitoring :		
All industrial machinery vibrates. The level of vibration is		
a useful guide to machine condition. Poor balance,		
misalignment & looseness of the structure will cause the		
vibration level increase, it is a sure sign that the		
maintenance is needed.		
* Professional vibration meter supply with vibration sensor		
& magnetic base, full set.		
* Velocity measuring range 200 mm/s, 7.87 inch/s.		
* Acceleration measuring range 200 m/s ² ,656 ft/s ²		
* Metric & Imperial display unit.		
* Frequency range 10 Hz - 1 kHz, sensitivity relative meet		
ISO 2954.		
* RMS & Peak measurement.		
* Wide frequency range.		
* Data hold button to freeze the desired reading.		
* Memory function to record maximum and minimum		
reading with recall.		
* Separate vibration probe, easy operation		
* RS 232 computer interface.		
* Optional data acquisition software for data record &		
datalogger.		
* Super large LCD display.		
* Microcomputer circuit, high performance.		
* Auto shut off saves battery life.		
* Built-in low battery indicator.		
* Heavy duty & compact housing case.		
* Complete set with the hard carrying case.		

2. SPECIFICATIONS				
Display	61 mm x 34 mm supper large LCD			
	display.			
	15 mm (0.6") digit size.			
Measurement	Velocity, Acceleration RMS value, Peak			
	value, Data hold, Max. & Min. value.			
Range	Velocity:			
	200 mm/ : 0.5 to 199.9 mm/s			
	7.87 inch/s : 0.02 to 7.87 inch/s			
	Acceleration:			
	200 m/s ² : 0.5 to 199.9 m/s ²			
	656 ft/s ² : 2 to 656 ft/s ²			
Resolution	Velocity:			
	0.1 mm/s ,0.01 inch/s			
	Acceleration :			
	0.1 m/s ² ,1 ft/s ²			
Frequency	10 Hz to 1 KHz			
range	* Sensitivity relativive during the			
	the frequency range meet ISO 2954			

Accuracy	(5 % + 2 d) reading, 160 Hz, 80 Hz.		
	@ 160 Hz, 80 Hz Cal.		
	@ 23 ± 5 ℃		
Calibration	Velocity: 50 mm/s (160 Hz)		
point	Acceleration : 50 m/s ² (160 Hz)		
Circuit	Exclusive microcomputer circuit.		
Data hold	Freeze the desired reading.		
Peak	To measure the peak value.		
measurement			
Memory	Maximum & Minimum value.		
Power off	Auto shut off, saves battery life,		
	or manual off by push button.		
Sampling time	Approx. 1 second.		
Data output	RS 232 serial output, isolate.		
Operating	0 to 50 $^{\circ}\mathrm{C}$ (32 to 122 $^{\circ}\mathrm{F}$).		
temperature		. =	
Operating	Less than 80% RH.		
humidity			
Power supply	Alkaline or heavy duty type,		
	DC 9V battery, 006P,		
D	MN1604 (PP3) or equivalent.		
Power	Approx. DC 6	ma.	
consumption	1.4 - 4	220 /0 FO LD	
Weight	Meter Probabilith	230 g/0.50 LB	
	Probe with	165 g/0.36 LB	
Dimension	sensing head Meter :		
Dimension	180 x 72 x 32 mm		
	(7.1 x 2.8 x1.3 inch). Vibration probe:		
	Round 36 mm Dia. x 71 mm.		
	Sensing head :		
	8.9 mm Dia x 42 mm length		
	Cable length :		
	1.2 meter.		
Accessories	Instruction manual		
included	Cable with plugs 1 PC.		
included	Vibration probe		
	Sensing head		
	Magnetic base 1 PC.		
	Carrying Case 1 PC.		
Optional	* Software (Windows version, data		
accessories	record & data acquisition)		
	SW-U801-WIN		
	* RS232 cable UPCB-01		
	* USB cable		
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^{*} Appearance and specifications listed in this brochure are subject to change without notice.

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