

# VIBRATION METER

Model : VB-8200

ISO-9001, CE, IEC1010



## FEATURES

- \* Applications for industrial vibration monitoring : All industrial machinery vibrates. The level of vibration is a useful guide to machine condition. Poor balance, misalignment and looseness of the structure will cause the vibration level increase, it is a sure sign that the maintenance is needed.
- \* Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.
- \* Supply with vibration sensor & magnetic base, full set.
- \* Velocity range : 200 mm/s.
- \* Acceleration range : 200 m/s<sup>2</sup>
- \* RMS & Peak measurement.
- \* Data hold, Memory ( Max. & Min. ).
- \* Separate vibration probe.
- \* RS 232 computer interface.
- \* Optional data acquisition software.
- \* Microcomputer circuit.
- \* Auto shut off saves battery life.
- \* Hard carrying case include.



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*The Art of Measurement*

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## FEATURES

* 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.	* Data hold button to freeze the desired reading.
* Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.	* Memory function to record maximum and minimum reading with recall.
* Professional vibration meter supply with vibration sensor & magnetic base, full set.	* Separate vibration probe, easy operation
* Velocity measuring range 200 mm/s.	* RS 232 computer interface.
* Acceleration measuring range 200 m/s <sup>2</sup> .	* Optional data acquisition software for data record & datalogger.
* RMS & Peak measurement.	* 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.

## SPECIFICATIONS

Display	61 mm x 34 mm super large LCD display. 15 mm ( 0.6" ) digit size.	Sampling time	Approx. 1 second.	
		Data output	RS 232 serial output, isolate.	
Measurement	Velocity, Acceleration RMS value, Peak value Data hold, Max. & Min. value.	Operating temperature	0°C to 50°C ( 32°F to 122°F ).	
		Operating humidity	Less than 80% RH.	
Range	<i>Velocity :</i> 200 mm/s : 0.5 to 199,9 mm/s.	Power supply	Alkaline or heavy duty type DC 9V battery, 006P, MN1604 (PP3) or equivalent.	
	<i>Acceleration :</i> 200 m/S <sup>2</sup> : 0.5 to 199.9 m/s <sup>2</sup> .	Power consump.	Approx. DC 6 mA.	
Frequency range	10 Hz to 1 KHz. <i>* Sensitivity relative during the the frequency range meet ISO 2954.</i>	Weight	<i>Meter</i>	230 g/0.50 LB
			<i>Probe</i>	38 g/0.09 LB
Accuracy	± ( 5 % + 2 d ) reading , <i>@ 160 Hz, 80 Hz.</i> <i>@ 23 ± 5 °C</i>	Dimension	<i>Meter :</i> 180 x 72 x 32 mm ( 7.1 x 2.8 x 1.3 inch ).	
			<i>Vibration sensor probe:</i> Round 19 mm Dia. x 21 mm.	
Calibration point	Velocity : 50 mm/s ( 160 Hz ) Acceleration : 50 m/s <sup>2</sup> ( 160 Hz )	Accessories included	Instruction manual..... 1 PC. Vibration sensor..... 1 PC. Magnetic base..... 1 PC. Carrying Case..... 1 PC.	
Circuit	Exclusive microcomputer circuit.		Optional accessories	* Software ( Windows version, data record & data acquisition )..... SW-U801-WIN * RS232 cable..... UPCB-01 * USB cable..... USB-01
Data hold	Freeze the desired reading.			
Peak hold	To measure the peak value.			
Memory	Maximum & Minimum value.			
Power off	Auto shut off, saves battery life, or manual off by push button.			

