

# VIBRATION METER

Model : VB-8200

*ISO-9001, CE, IEC1010*



**LUTRON ELECTRONIC**

*The Art of Measurement*

# VIBRATION METER, Model : VB-8200

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

\* Appearance and specifications listed in this brochure are subject to change without notice.

1903-VB8200