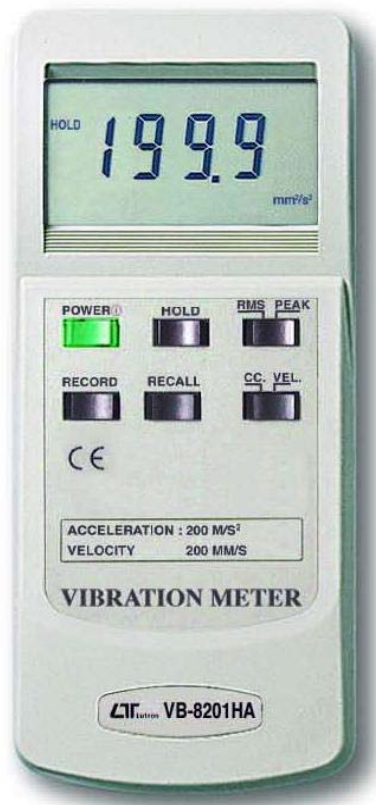


# VIBRATION METER

Model : VB-8201HA

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.
- \* Optional data acquisition software.
- \* Microcomputer circuit.
- \* Auto shut off saves battery life.
- \* Hard carrying case include.



**Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***

# VIBRATION METER

Model : VB-8201HA

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.	* RMS & Peak measurement.
	* Wide frequency range.
	* Data hold button to freeze the desired reading.
	* Memory function to record maximum and minimum reading with recall.
* Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.	* Separate vibration probe, easy operation.
	* Super large LCD display.
* Professional vibration meter supply with vibration sensor & magnetic base, full set.	* Microcomputer circuit, high performance.
	* Auto shut off saves battery life.
* Velocity measuring range 200 mm/s.	* Built-in low battery indicator.
* Acceleration measuring range 200 m/s <sup>2</sup> .	* 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.	Memory	Maximum & Minimum value.
		Sampling time	Approx. 1 second.
		Operating temperature	0 to 50 °C ( 32 to 122 °F ).
Measurement	Velocity, Acceleration RMS value, Peak value, Data hold, Max. & Min. value.	Operating humidity	Less than 80% RH.
		Power supply	Alkaline or heavy duty type, DC 9V battery, 006P, MN1604 (PP3) or equivalent.
Range	<i>Velocity :</i> 200 mm/s : 0.5 to 199.9 mm/s	Power consumption	Approx. DC 6 mA.
	<i>Acceleration :</i> 200 m/s <sup>2</sup> : 0.5 to 199.9 m/s <sup>2</sup>	Weight	<i>Meter</i> 274 g/0.60 LB <i>Probe with magnetic base</i> 38 g/0.08 LB
Frequency range	10 Hz to 1 KHz <i>* Sensitivity relative during the the frequency range meet ISO 2954</i>	Dimension	<i>Meter :</i> 185 x 78 x 38 mm ( 7.3 x 3.1 x 1.5 inch ). <i>Vibration sensor probe:</i> Round 16 mm Dia. x 29 mm.
		Accessories included	Instruction manual..... 1 PC. Vibration sensor ( VB-81A ) ..... 1 PC. Cable..... 1 PC. Magnetic base..... 1 PC. Carrying Case..... 1 PC.
Accuracy	± ( 5 % + 2 d ) reading <i>@ 80 Hz, 160 Hz.</i> <i>@ 23 ± 5 °C</i>		
Calibration point	Velocity : 50 mm/s (160 Hz) Acceleration : 50 m/s <sup>2</sup> (160 Hz)		
Circuit	Exclusive microcomputer circuit.		
Data hold	Freeze the desired reading.		
Peak measurement	To measure the peak 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.

0603-VB8201HA