

# VIBRATION METER

Model : VB-8202

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 & looseness of the structure will cause the vibration level increase, it is a sure sign that the maintenance is needed.
- \* Separate vibration probe.
- \* Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.
- \* Professional vibration meter supply with vibration sensor, full set.
- \* Velocity measuring range 200 mm/s.
- \* Acceleration range 200 m/s<sup>2</sup>.
- \* RMS & Peak measurement.
- \* Data hold.
- \* Memory function to record max. and min. reading with recall.
- \* Complete set with hard carrying case.



**Lutron**

LUTRON ELECTRONIC

+982165565901

+982144584619

+989034119385

**The Art of Measurement**

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* Professional vibration meter supply with vibration sensor & magnetic base, full set.
* Velocity measuring range 200 mm/s.
* Acceleration measuring range 200 m/s <sup>2</sup> .
* 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.

## 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	<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>
Frequency range	10 Hz to 1 KHz * Sensitivity relative during the the frequency range meet ISO 2954.
Circuit	Exclusive microcomputer circuit.

Accuracy	± ( 5 % + 2 d ) reading , 160 Hz, 80 Hz. * 23± 5 °C	
Calibration point	Velocity : 50 mm/s ( 160 Hz ) Acceleration : 50 m/s <sup>2</sup> ( 160 Hz )	
Data hold	Freeze the desired reading.	
Peak measurement	To measure the peak value.	
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 temperature	0 to 50 °C ( 32 to 122 °F ).	
Operating humidity	Less than 80% RH.	
Power supply	Alkaline or heavy duty type, DC 9V battery, 006P, MN1604 (PP3) or equivalent.	
Power consumption	Approx. DC 6 mA.	
Weight	<i>Meter</i>	230 g/0.50 LB
	<i>Probe with sensing head</i>	165 g/0.36 LB
Dimension	<i>Meter :</i> 180 x 72 x 32 mm ( 7.1 x 2.8 x 1.3 inch ).  <i>Vibration probe :</i> Round 36 mm Dia. x 71 mm.  <i>Sensing head :</i> 8.9 mm Dia x 42 mm length  <i>Cable length :</i> 1.2 meter.	
Accessories included	Instruction manual..... 1 PC. Cable with plugs..... 1 PC. Vibration probe..... 1 PC. Sensing head..... 1 PC. Magnetic base..... 1 PC. Carrying Case..... 1 PC.	
Optional accessories	* Software ( Windows version, data record & data acquisition ) ..... SW-U801-WIN * RS232 cable..... UPCB-01 * USB cable..... USB-01	

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

1809-VB8202

w/w

+982165565901

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