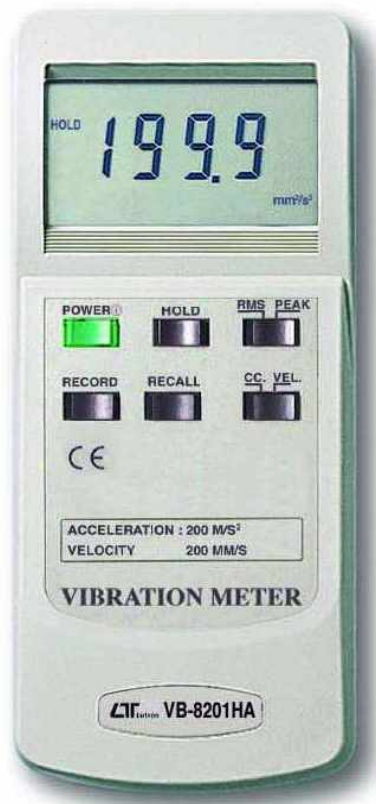


# VIBRATION METER

**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 :<br>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. |
|  | * Separate vibration probe, easy operation.                          |
| * Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.   | * Super large LCD display.   |
|  | * Microcomputer circuit, high performance.                           |
| * Professional vibration meter supply with vibration sensor & magnetic base, full set.   | * Auto shut off saves battery life.                                  |
|  | * Built-in low battery indicator.                                    |
| * Velocity measuring range 200 mm/s.   | * Heavy duty & compact housing case.                                 |
| * Acceleration measuring range 200 m/s <sup>2</sup> .  | * Complete set with the hard carrying case.                          |

| SPECIFICATIONS    |  |                       |   |
|-------------------|--|-----------------------|---|
| Display           | 61 mm x 34 mm super large LCD display.<br>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><br>200 mm/s : 0.5 to 199.9 mm/s  | Power consumption     | Approx. DC 6 mA.  |
|                   | <i>Acceleration :</i><br>200 m/s <sup>2</sup> : 0.5 to 199.9 m/s <sup>2</sup>                |                       |   |
| Frequency range   | 10 Hz to 1 KHz<br><i>* Sensitivity relative during the the frequency range meet ISO 2954</i> | Weight                | <i>Meter</i> 274 g/0.60 LB<br><i>Probe with magnetic base</i> 38 g/0.08 LB    |
|                   |  | Dimension             | <i>Meter :</i><br>185 x 78 x 38 mm<br>( 7.3 x 3.1 x 1.5 inch ).               |
|                   |  |                       | <i>Vibration sensor probe:</i><br>Round 16 mm Dia. x 29 mm.                   |
| Accuracy          | ± ( 5 % + 2 d ) reading<br>@ 80 Hz, 160 Hz.<br>@ 23 ± 5 °C                                   | Accessories included  | Instruction manual..... 1 PC.   |
| Calibration point | Velocity : 50 mm/s (160 Hz)<br>Acceleration : 50 m/s <sup>2</sup> (160 Hz)                   |                       | Vibration sensor ( VB-81A )<br>..... 1 PC.                                    |
| Circuit           | Exclusive microcomputer circuit.   |                       | Cable..... 1 PC.  |
| Data hold         | Freeze the desired reading.  |                       | Magnetic base..... 1 PC.  |
| Peak measurement  | To measure the peak value.   |                       | Carrying Case..... 1 PC.  |
| 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.