

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^2 .
- * RMS & Peak measurement.
- * Data hold.
- * Memory function to record max. and min. reading with recall.
- * Complete set with hard carrying case.



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The Art of Measurement

VIBRATION METER

Model : VB-8202

| FEATURES | |
|--|---|
| * Professional vibration meter supply with vibration sensor, full set. | * Sepearate vibration probe, easy operation |
| * Velocity range : 200 mm/s. | * RS 232 computer interface. |
| * Acceleration range : 200 m/s ² . | Optional data acquisition software software for data record & datalogger. |
| * RMS & Peak measurement, peak function to hold the peak value. | * Super large LCD display. |
| * Wide frequency range. | * Microcomputer circuit, high performance. |
| * Data hold button to freeze the desired reading. | * Auto shut off saves battery life. |
| * Memory function to record maximum and minimum readings with recall. | * 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. | Data output | RS 232 serial output. | |
| Measurement | Velocity, Acceleration, RMS value, Peak value, Data hold, Max. & Min. value. | Power supply | Alkaline or heavy duty type, DC 9V battery, 006P, MN1604 (PP3) or equivalent. | |
| | | Power consumption | Approx. DC 6 mA. | |
| Range | <i>Velocity :</i> 200 mm/s : 0.5 to 199.9 mm/s | Weight | Meter | 230 g/0.50 LB |
| | <i>Acceleration :</i> 200 m/s ² : 0.5 to 199.9 m/s ² | | Probe with sensing head | 165 g/0.36 LB |
| Frequency range | 10 Hz to 1 KHz <i>* Sensitivity relative during the the frequency range meet ISO 2954</i> | 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. | |
| Accuracy | ± (5 % + 2 d), 160 Hz, 80 Hz <i>@ 23 ± 5 °C</i> | | <i>Sensing head :</i> 8.9 mm Dia x 42 mm length | |
| Calibration point | <i>Velocity :</i> 50 mm/s (160 Hz) | | <i>Cable length :</i> 1.2 meter. | |
| | <i>Acceleration :</i> 50 m/s ² (160 Hz) | 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. | |
| Circuit | Exclusive microcomputer circuit. | Optional accessories | * Software (Windows version, data record & data acquisition) SW-U801-WIN * RS232 cable UPCB-01 | |
| Data hold | Freeze the desired reading. | | | |
| Peak measurement | To measure the peak value. <i>* Peak value = 1.414 RMS value.</i> | | | |
| Memory | Maximum & Minimum value. | | | |
| Power off | Auto shut off, saves battery life, or manual off by push button. | | | |
| Sampling time | Approx. 1 second. | | | |
| Operating temperature | 0 °C to 50 °C (32 °F to 122 °F). | | | |
| Operating humidity | Less than 80% RH. | | | |

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

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