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.

LTT Lutron

LUTRON ELECTRONIC

ISO 9001 SGS   UKAS QUALITY MANAGEMENT 005

The Art of Measurement

VIBRATION METER
Model : VB-8202

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.

* Professional vibration meter supply with vibration sensor & magnetic base, full set.

* Velocity measuring range 200 mm/s.

* Acceleration measuring range 200 m/s .

* 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	*Velocity :* 200 mm/s : 0.5 to 199.9 mm/s
	Acceleration : 200 m/s^2 : 0.5 to 199.9 m/s^2
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 ℃*	
Calibration point	Velocity : 50 mm/s (160 Hz) Acceleration : 50 m/s ^2 (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 ℃ (32 to 122 ℉).	
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	*Meter*	230 g/0.50 LB
	Probe with sensing head	165 g/0.36 LB
Dimension	*Meter :* 180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch).	
	Vibration probe : Round 36 mm Dia. x 71 mm.	
	Sensing head : 8.9 mm Dia x 42 mm length	
	Cable length : 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.