ACC., Velocity, Displacement

VIBRATION METER

Model : VB-8220   *ISO-9001, CE, IEC1010*

LUTRON ELECTRONIC

The Art of Measurement

Acceleration/Velocity/Displacement

VIBRATION METER
Model : VB-8220

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.
* Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.
* Professional vibration meter supply with vibration sensor and magnetic base, full set.
* Velocity measuring range : 200 mm/s.
* Acceleration measuring range : 200 m/s^2
* Displacement measuring range : 2 mm (p-p).
* 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, Displacement, 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
	Displacement (p-p) : 2 mm : 0.005 to 1.999 mm ** p-p : Peak to Peak*

Frequency range	10 Hz to 1 KHz ** Sensitivity relative during the the frequency range meet ISO 2954.*	
Accuracy	± (5 % + 5 d) reading , 160 Hz, 80 Hz. ** 23 ± 5 ℃*	
Calibration point	Velocity	50 mm/s (160 Hz)
	Acceleration	50 m/s^2 (160 Hz)
	Displacement (p-p)	0.05 mm (160 Hz)
Circuit	Exclusive microcomputer circuit.	
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.	
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 8 mA.	
Weight	Meter	230 g/0.50 LB
	Probe with magnetic base	110 g/0.24 LB
Dimension	Meter : 180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch). Vibration sensor probe: Round 18 mm Dia. x 40 mm.	
Accessories included	Instruction manual.................... 1 PC. Vibration sensor........................ 1 PC. Cable....................................... 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	