



PVB-820

PVB-820, Vibration Meter, Pen Type, Acceleration, Velocity, IP-65 Metric & Imperial Unit

- 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.
- Pen type digital vibration meter, vibration sensor is built in, all in one.
- Acceleration, Velocity measurement, RMS measurement value.
- Metric & Imperial display unit.
- Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.
- Microcomputer circuit, intelligent function, high accuracy.
- LCD display, easy read out.
- Complete set with the Test pin and the Magnetic base are the standard accessories.
- Built-in low battery indicator.
- Heavy duty & compact housing case.
- IP65 protection.
- Compact size, light weight.
- Soft carrying case is the optional accessory

Model	PVB-820	
Display	LCD, size : 20 mm x 28 mm.	
Measurement	Velocity, Acceleration. * RMS value.	
Function	Acceleration	m/s ² , g, ft/s ²
	Velocity	mm/s, cm/s, inch/s
Frequency range	10 Hz to 1 KHz * Sensitivity relative during the frequency range meet ISO 2954	
Circuit	Exclusive microcomputer circuit.	
Zero adjust	Build in the Zero adjustment VR, easy to make adjustment.	
Data Hold	Freeze the display reading.	
Sampling Time	Approx. 1 second.	
Operating Humidity	Less than 80% R.H.	
Operating Temp.	0°C to 50°C (32°F to 122°F)	
Power Supply	DC 1.5V battery (UM-4/AAA) x 4 PCs.	
Power Consumption	Approx. DC 12 mA.	
Weight	489 g/1.08 LB.	
Dimension	Meter: 175 x 40 x 32 mm (6.9 x 1.6 x 1.3 inch). * Meter without sensing head,	
	Sensing head : Round 9 mm Dia. x 30 mm.	
Accessories Included	* Instruction manual: 1PC * Meter with sensing head: 1 Set * Magnetic base: 1 PC * Soft carrying case, CA-52A: 1 PC	

Electrical Specifications Acceleration (RMS)

Unit	m/s ²	g @ 1g=9.8 m/s ²	ft/s ²
Range	0.5 to 199.9 m/s ²	0.05 to 20.39 g	2 to 656 ft/s ²
Resolution	0.1m/s ²	0.01 g	1 ft/s ²
Accuracy	± (5% + 2d) reading @ 160 Hz, 80 Hz, 23 ± 5°	± (5% + 2d) reading @ 160 Hz, 80 Hz, 23 ± 5°	± (5% + 2d) reading @ 160 Hz, 80 Hz, 23 ± 5°
Calibration Point	50 m/s ² (160Hz)	50 m/s ² (160Hz)	50 m/s ² (160Hz)

Velocity (RMS)

Unit	mm/s	cm/s	inch/s
Range	0.5 to 199.9 mm/s	0.05 to 19.99 cm/s	0.02 to 7.87 inch/s
Resolution	0.1 mm/s	0.01 cm/s	0.01 inch/s
Accuracy	± (5% + 2d) reading @ 160 Hz, 80 Hz, 23 ± 5°	± (5% + 2d) reading @ 160 Hz, 80 Hz, 23 ± 5°	± (5% + 2d) reading @ 160 Hz, 80 Hz, 23 ± 5°
Calibration Point	50 mm/s (160Hz)	50 mm/s (160Hz)	50 mm/s (160Hz)