

## Vibration Meter



Model: VM-6360 (Enhanced Type)  
 VM-6320 (Functional Type)  
 VM-6310 (Basic Type)

### Applications

Used for measuring periodic motion, to check the imbalance and deflecting of moving machinery. Specifically designed for present measuring various mechanical vibration. So as to provide the data for the quality control, run time and equipment upkeep.

- \* VM-6360 has wide frequency range (10Hz~10kHz) in acceleration mode
- \* VM-6320 / VM-6310 are simple and easy to use.



### Features

- \* In accordance with ISO 2954, used for periodic measurements, to detect out-of-balance, misalignment and other mechanical faults in rotating machines.
- \* Specially designed for easy on site vibration measurement of all rotating machinery for quality control, commissioning, and predictive maintenance purposes.
- \* Individual high quality accelerometer for accurate and repeatable measurements.
- \* Optional headphones for use as electronic stethoscope.
- \* Use RS-232 data output to connect with PC.
- \* Provide Bluetooth data output choice.

### Vibration Standard




ISO/IS2373 Motor Quality Standard According As Vibration Velocity				
Quality Rank	Rev (rpm)	H: high of shaft (mm)		
		Maximum vibration velocity rms (mm/s)		
		80<H<132	132<H<225	225<H<400
Normal	600~3600	1.8	2.8	4.5
	600~1800	0.71	1.12	1.8
Good (R)	1800~3600	1.12	1.8	2.8
	600~1800	0.45	0.71	1.12
Excellent (S)	1800~3600	0.71	1.12	1.8



## Specifications

Model		VM-6360	VM-6320	VM-6310
Sensor		Piezoelectric Transducer		
Measuring Range	Acceleration	0.1~400 m/s <sup>2</sup> Equivalent Peak	0.1~199.9 m/s <sup>2</sup> Equivalent Peak	—
	Velocity	0.01~400 mm/s True RMS	0.01~199.9 mm/s True RMS	0.01~199.9 mm/s True RMS
	Displacement	0.001~4.0 mm Equivalent Peak-peak	0.001~1.999 mm Equivalent Peak-peak	—
Frequency Range	Acceleration	10Hz~10kHz		—
	Velocity	10Hz~1kHz		10Hz~1kHz
	Displacement	10Hz~1kHz		—
Accuracy		5% of Reading + 2 digits		
Operating Conditions	Temperature	0~50 °C		
	Humidity	<90 %RH		
Power Supply		4x1.5V AAA (UM-4) Battery	4x1.5V AA (UM-3) Battery	
Dimensions		124x62x30mm	160x68x32mm	
Weight		120 g (Not Including Batteries)	181 g (Not Including Batteries)	
Standard Accessories		Main Unit		
		Piezoelectric Transducer		
		Powerful Rare Earth Magnet		
		Probe (Cone) & Probe (Spherical)		
		Carrying Case (B04)		
		Manual Book		
Optional Accessories		Headset		
		RS-232C Data Cable with Software		
		Bluetooth Data Adapter with Software		

## Accessories

Accessories	Diagram	Using Situations	Using Method
Piezoelectric Transducer		General vibration parameters measurement of objects.	Be used with Powerful Rare Earth Magnet & Stinger Probe.
Rare Earth Magnet		Magnetic objects with flat surface, roughness of less than Ra1.6, acceleration ≤ 20m/s.	connect the vibration sensor with Rare Earth Magnet with the M5 bolt included. And then place the Rare Earth Magnet to the object to be tested.
Stinger Probe (Ball / Cone)		Frequency is less than 1KHz and vibration energy is not small.	Connect the needle to the sensor directly by using probe groupware.