

Vibration Meter (Pen Type)



Model: RVM-4005

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.

Specifications

Model	RVM-4005	
Sensor	Piezoelectric Transducer	
Measuring Range	Acceleration	0.1~300 m/s ² Equivalent Peak 985 ft/s ²
	Velocity	0.01~300 mm/s True RMS 0.000~13.0 inch/s
	Displacement	0.001~3.000 mm 0.04~120.0 mil Equivalent Peak-peak
Frequency Range	Acceleration	10Hz~10kHz
	Velocity	10Hz~1kHz
	Displacement	10Hz~1kHz
Accuracy	10% of Reading + 2 digits	
Metric/Imperial Conversion	✓	
Max. Value Hold	✓	
Power Off	Manual Power Off or Auto Power Off	
Data Output	USB, RS-232	
Operating Conditions	Temp.: 0~50 °C Humidity: <90 %RH	
Power Supply	Lithium Battery	
Dimensions	202x43x23 mm (8.0x1.7x0.9 inch)	
Weight	130 g (Including Batteries)	
Standard Accessories	Main Unit	
	Carrying Case	
	Manual Book	
Optional Accessories	RS-232C Data Cable with Software	
	Bluetooth Data Adapter with Software	

Features

- * Can display the parameters of Displacement, Velocity and Acceleration simultaneously.
- * 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.
- * Frequency range up to 10Hz~10kHz in acceleration mode.
- * 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
Good (R)	600~1800	0.71	1.12	1.8
	1800~3600	1.12	1.8	2.8
Excellent (S)	600~1800	0.45	0.71	1.12
	1800~3600	0.71	1.12	1.8

