

Vibration Tachometer



Model: VM-6370T

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. Multifunctional, one instrument combines Photo Tachometer & Contact Tachometer. Be able to measure rotation rate RPM(r/min) & Frequency Hz.

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.
- * Wide frequency range (10Hz~10kHz) in acceleration mode.
- * Optional headphones for use as electronic stethoscope.
- * Use USB 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



Specifications

Sensor		Piezoelectric Transducer		
Measuring Range	Acceleration	0.1~400 m/s ²	0.3~1312 ft/s ²	0.0~40 g Equivalent Peak
	Velocity	0.01~400 mm/s	0.004~16.0 inch/s	True RMS
	Displacement	0.001~4.0 mm	0.04~160.0 mil	Equivalent Peak-peak
Frequency Range	Acceleration	10Hz~10kHz		
	Velocity	10Hz~1kHz		
	Displacement	10Hz~1kHz		
Rotation Rate Range		60~99,990RPM(r/min) (Reading should be multiplied by 10 if the display shows '10')		
Frequency Range		1~20,000Hz (Reading should be multiplied by 10 if the display shows '10')		
Accuracy		5% of Reading + 2 digits		
Operating Conditions		Temperature: 0~50 °C Humidity: <90 %RH		
Power Supply		4x1.5V AAA (UM-4) Battery		
Dimensions		140x72x34mm		
Weight		380 g (Not Including Batteries)		
Standard Accessories		Main Unit		
		Piezoelectric Transducer		
		Powerful Magnetic Base		
		Probe (Cone)		
		Probe (Spherical)		
		Contact Tachometer Sensor		
		Photo Tachometer Sensor		
		Reflective Tape Marks (350mm)		
		Carrying Case (B04)		
		Manual Book		
Optional Accessories		Headset		
		USB Data Cable with Software		
		Bluetooth Data Adapter with Software		