



VM908 Vibration Meter

Offline Periodic Vibration Monitoring

Masibus VM908 vibration meter is a basic portable vibration measurement product that reads vibration in various mode. It provides essential periodic monitoring of fan, pump, motor and other industrial machines. It measures the vibration to which it is exposed.

Masibus has a proven track record of manufacturing portable instruments and online process monitoring instruments for over 3 decades. Vibration meter makes cost-effective off line vibration monitoring instrument with various important parameter i.e. displacement, velocity, acceleration.

Vibration meter is a strategic tool for predictive maintenance. It measures off line vibration and provides easy evaluation of health of machines. On this basis further analysis can be done using vibration analyzer for diagnosing the machine problem.

Vibration is measured in terms of RMS and peak. When overall vibration is to be measured, RMS and peak measurement technique is considered best for general machine health.

VM908 is very handy easy to use device for any maintenance crew. It gives very easy understanding of equipment health and guides for repairs. It is also good tool to check out if repair has improved health of machine. Maintenance team can be confident about repair work done by ensuring that vibration reading post repair has gone down and machine is healthy.

Features

- Essentials for Good Maintenance
- Necessary Instrument for Tool Box
- Cost effective basic vibration measurement
- 3½ LCD digital Display
- Measurement of overall vibration level in rotating machines
- Parameter: Displacement, Velocity, Acceleration
- Frequency range: 10 Hz to 5 KHz
- High Frequency: Acceleration (unit: m/s²):Equivalent peak
- Vibration is measured in terms of RMS and peak
- Battery: 9V 6F22, 25hours of continuous operation
- Magnetic mounting

Applications

- Used to measure the offline vibration data from critical equipment and the data can be compared with ISO standards to know the criticality of equipment
- Provides essential periodic monitoring of fan, pump, motor and other industrial machines

TECHNICAL SPECIFICATIONS

Input		Power Supply	
Input Sensor Type	Piezoelectric Accelerometer	Battery	9V 6F22, 25 hours of continuous operation
Sensor Mounting	Magnetic mounting	Physical	
Display & Keys		Dimension (mm)	130(W) x 60(H) x 23(D)
Display	3 ½ LCD digital display	Weight	250 g
	Automatic power off	Portable	Light, fit's easily in pocket
Keys	2 Keys (Measure and Select)	Environmental	
Measure Key Functions	<u>Press</u> : Power-ON and Start measurement	Temperature	0 to 45 °C
	<u>Release</u> : Hold the last measured value for 20 Sec and then Power-OFF automatically	Humidity	<85%, Non-causticity environment, without strong electric magnetic field & strong impact
Select Key Functions	Parameter selection	Accessories	
Measuring Parameter & Range		Accelerometer 1 number	
Amplitude Ranges		Extension probe 1 number	
Displacement	1-1999 µm peak-peak (*)	Sensor cable 1 number	
Velocity	0.1-199.9 mm/s true RMS	Magnetic mount 1 number	
Acceleration and High Frequency Acceleration	0.1-199.9 m/s ² peak (*)	Carry bag 1 number	
*: peak-peak and peak are equivalent value means: peak-peak=2.828*RMS while peak=1.414*RMS			
Frequency response	10-1000Hz (Inside accelerometer)		
	10-5000Hz (Outside accelerometer, depending on model)		
Measurement accuracy	High Frequency Acceleration: 1000-5000Hz ±10%		
	±5% of display, ±2 digits		
	Noise Level (without input): ACC< 0.3 m/s ² , VEL< 0.5mm/s, Disp< 3µm		
	Frequency response accuracy: ±5%		
Non-linearity: ±5%			

Ordering code

Model
VM908

Accessories



Accelerometer



Extension Probe



Sensor Cable



Magnetic Mount