masibus

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	
Input Sensor Type	Piezoelectric Accelerometer
Sensor Mounting	Magnetic mounting

Display & Keys	
Display	3 ½ LCD digital display
	Automatic power off
	Holding function
Keys	2 Keys (Measure and Select)
Measure Key Functions	Press: Power-ON and Start measurement
	Release: Hold the last measured value for 20 Sec and then Power-OFF automatically
Select Key Functions	Parameter selection

Measuring Parameter & Range	
Amplitude Ranges	
Displacement	1-1999 µm peak-peak (*)
Velocity	0.1-199.9 mm/s true RMS
Acceleration and High Frequency Acceleration	0.1-199.9 m/s² peak (*)

*: 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)
	High Frequency Acceleration: 1000-5000Hz ±10%

Measurement accuracy	±5% of display, ±2 digits
	Noise Level (without input): ACC< 0.3 m/s², VEL< 0.5mm/s, Disp< 3µm
	Frequency response accuracy: ±5%
	Non-linearity: ±5%

Power Supply	
Battery	9V 6F22, 25 hours of continuous operation

Physical	
Dimension (mm)	130(W) x 60(H) x 23(D)
Weight	250 g
Portable	Light, fit's easily in pocket

Environmental	
Temperature	0 to 45 °C
Humidity	<85%, Non-causticity environment, without strong electric magnetic field & strong impact

Accessories
Accelerometer 1 number
Extension probe 1 number
Sensor cable 1 number
Magnetic mount 1 number
Carry bag 1 number

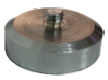
Ordering Code
VM908

Accessories


Accelerometer


Extension Probe


Sensor Cable


Magnetic Mount

Head Office:
Masibus Automation And Instrumentation Pvt. Ltd.
B-30, GIDC Electronics Estate, Sector-25, Gandhinagar-382044, Gujarat, India.
Tel: +91 79 23287275-79, Fax: +91 79 23287281-82.
E-mail: sales@masibus.com, Web: www.masibus.com

Doc. Ref. VM908/R2F/1214

Masibus Representative: