Metrix+™
Innovative Excellence

DIGITAL VIBRATION METER

VM 8200 mkII+

Sturdy metal body

Measuring principle

Vibration Meter employs a piezoelectric transducer to measure vibrations of a material and displays it in one or more of displacement, velocity or acceleration values for analyzing.



Applications

A vibration meter is used in manufacturing for machine condition monitoring, product testing and quality assurance. A vibration meter also can be used in civil engineering to measure the vibration of structures such as buildings, roads and bridges.

Features

- Individual high-quality accelerometer for accurate and repeatable measurement.
- In accordance with ISO 2954, used for periodic measurements, to detect out-of-balance, misalignment and other mechanical faults in rotating machines.
- Acceleration, velocity and displacement measurements.
- Sturdy metal body for rugged operation.
- Wide frequency range in acceleration mode.
- RPM and frequency measurements.
- Backlit LCD display.

Technical Specifications

Model	***Metrix+* VM 8200 mkII+**	
Display	4-digit backlit LCD	
Transducer	Piezo electric accelerometer	
Velocity	0.01 ~ 400.0 mm/s ; 0.000 ~ 16 inch/s	
Acceleration	0.1 ~ 400.0 m/s^2, 0.3 ~ 1312 ft/s^2 equivalent peak	
Displacement	0.001 ~ 4.000 mm equivalent peak-peak; 0.04 ~ 160.0 mil	
R P M	60 ~ 99,990 r/min	
Frequency	1 ~ 20kHz	
Frequency range for measuring	Acceleration	10Hz – 10kHz
	Velocity	10Hz – 1kHz
	Displacement	10Hz – 1kHz

Accuracy	±5% of reading + 2d
APO	Enabled by user
Max hold	Peak Hold
Analog output	AC output 0 ~ 2.0V peak full scale(load resistance above 10k)
Power supply	1.5V x 2 AA battery
Operating condition	Temperature : 0-50°C ; Humidity : below 95% RH
Dimensions and weight	130 x 70 x 30mm ; 305g
Standard accessories	Powerful rare earth magnet, measurement probe, stinger probe(cone), stinger probe(ball), manual, batteries, carrying case
Optional accessories	PC interface

Model and Specifications subject to change without notice.