Metrix+™
Innovative Excellence

DIGITAL VIBRATION METER

VM 8200+

Lightweight

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.
- Specially designed for easy on-site vibration measurement of all rotating machinery for quality control, commissioning and predictive maintenance purposes.
- Lightweight and easy to use.
- Wide frequency range in acceleration mode.

Technical Specifications

Model	***Metrix+* VM 8200+**	
Display	4-digit backlit LCD	
Transducer	Piezo electric accelerometer	
Velocity	0.01 – 200.0 mm/s true RMS	
Acceleration	0.1 – 200.0 m/s^2, 0.3 ~ 656.2 ft/s^2 equivalent peak	
Displacement	0.001 – 2.000 mm peak-peak value	
Frequency range for measuring	Acceleration	10Hz – 10kHz
	Velocity	10Hz – 1kHz
	Displacement	10Hz – 1kHz
Accuracy	±5% of reading + 2d	
APO	Enabled by user	
Max hold	With max hold and low battery indication	
Analog output	AC output 0 ~ 2.0V peak full scale(load resistance above 10k)	

Rev 2209.01

Power supply	1.5V x 4 AAA battery
Operating condition	Temperature : 0-50°C ; Humidity : below 90% RH
Dimensions and weight	160 x 68 x 38mm ; 181g
Standard accessories	Powerful rare earth magnet, measurement probe, stinger probe(cone), stinger probe(ball), carrying case, manual.
Optional accessories	PC interface

Model and Specifications subject to change without notice.