Metrix+™
Innovative Excellence

DIGITAL VIBRATION METER

VB 8202A

Simultaneous measurement display

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

- Measurement values of acceleration, velocity and displacement are displayed simultaneously.
- Individual high-quality accelerometer for accurate and repeatable measurements
- In accordance with ISO 2954, used for periodic measurements, to detect out-of-balance, misalignment and other mechanical faults in rotating machines.
- Wide frequency range in acceleration mode.
- Backlit LCD display.

Technical Specifications

Model	***Metrix+* VB 8202A**	
Display	4-digit backlit LCD	
Transducer	Piezo electric accelerometer	
Velocity	0.01 ~ 400.0 mm/s true RMS ; 0.000 ~ 16 inch/s	
Acceleration	0.1 ~ 400.0 m/s^2 equivalent peak, 0.3 ~ 1312 ft/s^2, 0 ~ 40g	
Displacement	0.001 ~ 4.000 mm equivalent peak-peak; 0.04 ~ 160.0 mil	
Frequency range for measuring	Acceleration	10Hz – 10kHz
	Velocity	10Hz – 1kHz
	Displacement	10Hz – 1kHz
Accuracy	±5% of reading + 2d	
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(UM-3) battery	
Operating condition	Temperature : 0-50°C ; Humidity : below 95% RH	

Dimensions and weight	130 x 70 x 30mm ; 305g(excluding batteries)
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.