Metrix+™
Innovative Excellence

Digital Vibration Meter

FEATURES
- 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.
* Individual high quality accelerometer for accurate and repeatable
measurements.
* Bearing condition monitoring function
* Large Backlit LCD digital display
* Lightweight and easy to use
* Wide frequency range (10Hz. To 10kHz.) in acceleration mode
* Can communicate with PC computer for statistics and printing by the optional cable and the software for RS232C interface

VM 8200+

VM 8200 mkII+

Specifications	Metrix+ VM 8200+		Metrix+ VM 8200mk II+
Display	4 digits 18mm LCD measured Values & makers units, 10 & battery symbols		
Transducer	Piezo electric Accelerometer		
Velocity	0.01-200.00 mm/s true RMS		0.01-400.0 mm/s // 0.000 ~ 16 inch/s
Acceleration	0.1-200.0 m/s², 0.3 ~ 656.2 ft/s² equivalent peak		0.1-400.0 m/s², 0.3 ~ 1312 ft/s² equivalent peak
Displacement	0.001-2.000mm Peak - Peak value		0.001-4.000mm Equivalent Peak-Peak; 0.04-160.0 mil
R P M	N A		60-99,990 r/min Readings should be multiplied by 10 if the display show '10'.
Frequency	N A		1 ~ 20kHz
Frequency Range For Measuring	Acceleration	10Hz. to 1kHz. In '1' mode 10Hz. to 10kHz. In '10' Mode for Bearing condition check	10Hz. to 1kHz. In '1' mode 10Hz. to 10kHz. In '10' Mode for Bearing condition check
	Velocity	10Hz to 1kHz	10Hz to 10kHz
	Displacement	10Hz to 1 kHz	10Hz to 10kHz
Accuracy	±5% of reading + 2digits		
APO	Enabled by USER		
Max Hold	With max value hold and low battery indication		Peak HOLD
Analog Output	AC output 0~2.0V peak full scale(load resistance: above 10k)		
Power Supply	1.5V x 4 AAA Battery		1.5V x 2 AA battery
Operating Condition	Temperature : 0-50°C Humidity : below 90% RH		Temperature : 0-50°C Humidity : below 95% RH
Dimension & Weight	160 x 68 x 38mm 181 gm.		130 x 70 x 30mm 305 gm.
Standard Accessories	* Powerful rare earth magnet * Measurement sensors * Stinger probe (Cone) * Stinger probe (Ball) * Carrying case * Operational instruction manual		* Powerful rare earth magnet * Measurement sensors * Stinger probe (Cone) * Stinger probe (Ball) * Carrying case * Operational instruction manual
Optional Accessories	* Headphones for use as electronic stethoscope * Cable and software for RS232C or USB		• Headphones for use as electronic stethoscope • Cable and software for RS232C or USB