## **Vibration Monitor**



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Battery powered portable monitor suit for Simplified diagnosis

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Battery powered portable vibration monitor suitable for Simplified diagnosis

Reasonable price Measure acceleration, velocity, displacement and DF simultaneously. FFT analysis and Waveform monitoring (Model VM-1001H) microSD slot is equipped as standard Measured data can be stored easily. Battery operation, AC adapter available as standard 10 hours operation battery with light weight and compact body

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Vibration-Monitor

RoHS Standard type VM-1001S \* Sample screen of Vibrometer mode

> RoHS High grade type VM-1001H \* Sample screen of FFT mode

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## Type H: High grade model with frequency analysis function Type S: Standard model with reasonable price

## **Common Features of VM series**

- Easy operation
- •Battery operation (AC adapter available as standard)
- •Vibration severity measurement (based on JIS B 0907) Acceleration Velocity and Displacement can be
- measured simultaneously •Velocity and Displacement are derived from frequency
- domain data •Measured data can be transferred to PC via USB port.
- •Measured data ban be stored in microSD card.

## Features of VM-1001H

- •Frequency analysis are installed
- •Raw waveform observation and recording function is included
- •Bearing diagnosis function based on bearing specifications



Model		High-grade type: VM-1001H	Standard type: VM-1001S
Vibration input channel		lch	←
Vibration sensor		Piezoelectric Accelerometer: Model P10T, Sensitivity: 10pC/ (m/s <sup>2</sup> )	←
Measuring range	Acceleration	0.1 to 40 m/s <sup>2</sup>	←
	Velocity	0.1 to 200 mm/s	←
	Displacement	1.0 to 5000 µm	←
Frequency range	Acceleration	10Hz to 20kHz	←
	Velocity	10Hz to 1kHz (based on JIS B 0907-1989)	←
	Displacement	10Hz to 1kHz	←
	Envelope	1kHz to 20kHz	N/A
USB port		USB mini-B type (for measured and screen capture data transfer to PC)	←
Micro SD card slot		Equipped as Standard	←
Display		3.5" color LCD with touch screen	←
Electric power		Li-lon battery and/or AC adapter	←
Dimension and Mass		180(W)×45(L)×100(H)mm / 350g	←
Vibrometer mode	Acceleration	Peak value, True RMS, Crest factor	←
	Velocity	True RMS	←
	Displacement	Derived P-P or True RMS selectable	←
FFT mode	Function	Spectrum, Accel envelope, Bearing diagnosis	
	Parameter	Acceleration, Velocity, Displacement, Envelope	
	No. of Sampling	64, 128, 256, 512, 1024, 2048†	N/A
	Frequency range	200Hz, 500Hz, 1kHz, 2kHz, 5kHz, 10kHz, 20kHz	
	Window function	Hanning, Rectangular, Flat top	
Time domain waveform mode	Frequency range	200Hz, 500Hz, 1kHz, 2kHz, 5kHz, 10kHz, 20kHz	N/A
	No. of line	25, 50, 100, 200, 400, 800	



Specifications may be changed without any notice due to modification, etc.

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