

Vibration Level Meter VM-1220E



■ FEATURES

- Conforms to JIS C1510-1995.
- Measures vibration pollution from factory, construction site and traffic
- Digital indication with bargraph on LCD with back light
- Calculates Vibration level Lv, Vibration acceleration level Lva, Max. value Lmax, Min value Lmin, Time rate vibration level (Lx: 5-value), Power averaged level (Leq) in 3-direction and displays with selection
- Optional Data control software is provided.

■ SPECIFICATIONS

Model	VM-1220 E
Frequency Range	1 ~ 80 Hz
Measuring Range	30 ~ 120 dB
Level Range	20 dB step, 2-range 30 ~90dB, 50~110dB
Linearity	75dB
Measured Item	Vibration level Lv, Vibration acceleration level Lva, Max. value Lmax, Min value Lmin, Time rate vibration level (Lx: 5-value), Power averaged level (Leq)
Measuring Time	1s, 3s, 5s, 10s, 1min, 5min, 10min, 15min, 30min, 1h, 8h, 24h Manual (Max 199h59min59s)
Bar Display	Display period 64ms
Battery Display	Charge remaining display in 4-step
Memory Function	Saves calculated value (800 data approx.)
Calibration Signal	Normal temporary stop function
AC Output	Electric calibration by built-in oscillator (31.5Hz sinusoidal wave) Output voltage: 316mVrms(F.S.) Output resistance: 600Ω Load resistance: >100kΩ
DC Output	Output voltage: 2.5V(F.S.) 0.25V/10dB Output resistance: 50Ω Load resistance: ≥ 100kΩ
I/O Terminal	RS-232C
Power Supply	4 pcs of AA size battery or AC power supply
Battery Life Time (continuous using)	Alkali battery 20hrs approx. Manganese: 10 hrs approx. At back light lighting: 1/3 of normal use
Ambient Condition	Temperature Range: -10 ~ +50°C Humidity: 30 ~ 90% (not due condensation)
Dimensions & Weight	85W x 220H x 48D mm, 380 g (with battery)

Accessories

No.	Name	Model	Q'ty	Remarks
1	Vibration pickup	VP-1220E	1	Accelerometer
2	Pickup cable	BC-0233-3	1	3m
3	Battery	SUM-3	4	_____
4	Case	_____	1	_____
5	Hand strap	_____	1	_____
6	Instruction manual	_____	1	_____

Mini Model for Machine Diagnosis Training



Rotor Kit VM-101

Machinery diagnosis is effective to prevent the machines from the sudden trouble. The training is essential to master the machinery diagnosis technique.

Rotor kit generates both the normal and artificial malfunctioned condition. With measuring versatile condition made by Rotor kit and analyzing vibration level and frequency, diagnosis technique can be mastered.

■ SPECIFICATIONS

Model	VM-101
Generated Malfunctioned Condition	Misalignment, Unbalance, Looseness, Abrasion of bearing Defect of bearing
Rotational Number	0 ~ 1,410 rpm
Dimensions & Weight	265Wx350Dx275H mm, 20 kg approx.
Power Supply	100VAC, 50/60Hz