

NauMetrics

Precision Measuring Instruments



Vibration Tester PV-200/PV260



Features:

- Used for fast failure detecting of motor, electric fan, pump, air compressor, machine tools and so on.
- Compact size, small weight, easy handling
- Prompt testing of vibration on the workshop machines
- For quick checking of unbalance misalignment, bearings and gears
- Guard against mechanical malfunction
- Holding tested value for 40 seconds
- Automatic switch off after 40 seconds
- PV200 is used specially for velocity testing
- PV260 is used for acceleration, velocity and displacement testing

Technical specifications

Model	PV200	PV260
Parameter	RMS of vibration velocity (mm/s)	Acceleration, Velocity, Displacement
Testing range	Velocity: 0.1mm/s~ 199.9mm/s	Acceleration:0.1m/s ² -199.9m/s ² (peak) Velocity: 0.1mm/s-199.9 mm/s(RMS) Displacement: 0.001mm-1.999 mm (peak-peak)
Frequency range	Velocity:10Hz ~ 1kHz	Acceleration: 10Hz ~ 1kHz(LO) 1kHz ~ 15kHz(HI) Velocity: 10Hz ~ 1kHz Displacement: 10Hz ~ 500Hz
Accuracy	± 5% ± 2digits	
Display	3 1/2 digits LCD	
Power supply	two button batteries(LR44 or SR44)	
Battery capacity	Approx. 5 hours working continuously	
Operating temperature	0℃ ~ 40℃	
Humidity	<85%	
Dimension	150mm×22mm×16mm	

Configuration

	NO.	Item	Quantity
Standard Configuration	1	Main unit	1
	2	Screwdriver	1
	3	Batteries SR44\LR44 1.5V	2
	4	Box	1
	5	Document	1(set)

VIBRATION SEVERITY PER ISO 10816						
Machine			Class I small machines	Class II medium machines	Class III large rigid foundation	Class IV large soft foundation
	in/s	mm/s				
Vibration Velocity Vrms	0.01	0.28				
	0.02	0.45				
	0.03	0.71		good		
	0.04	1.12				
	0.07	1.80				
	0.11	2.80		satisfactory		
	0.18	4.50				
	0.28	7.10		unsatisfactory		
	0.44	11.2				
	0.70	18.0				
	0.71	28.0		unacceptable		
	1.10	45.0				