

Vibration Tester TV110



Features:

- Fast failure detecting of motor, electric fan, pump, air compressor, machine tools and so on
- Analysis of acceleration, velocity, and displacement
- Large memory of 100 readings and 10 frequency spectrograms
- Hand-held accelerometer probe is available with a removable magnetic base for connecting with tested parts
- Low battery indication
- Rechargeable battery
- Large LCD display
- Printer integrated, readings and vibration pattern can be printed out
- Upper and lower limit setting and sound alarm

Technical Specification

Testing range	Acceleration	0.1m/s ² -199.9 m/s ² (peak value)
	Velocity	0.01cm/s-19.99cm/s (virtual value)
	Displacement	0.001mm-1.999mm (peak to peak value)
Frequency range	Acceleration	10Hz-500Hz, 10Hz-1KHz, 10Hz-10KHz
	Velocity	10Hz-500Hz, 10Hz-1KHz
	Displacement	10Hz-500Hz
Power	Nickel-hydrogen battery	
Tolerance	± 5%	
Working temperature	0 ~40	
Dimensions (mm)	270 × 86 × 47	
Weight (g)	650	

Standard Delivery

Main unit	1
Accelerometer probe	1
Magnetic base	1
Charger	1
TIME certificate	1
Instruction manual	1
Warranty card	1

Optional Accessory

Needle groupware	
Short needle	

Vibration Tester TV120



Features:

- Be widely used in fast inspecting of motor, fan, pump, compressor, machine tool and inspecting of machine failure
- Low battery indication
- Large memory of 100 readings
- Integrated with printer to print out all the readings of current point
- With function of time and date setting
- With high sensitivity and measuring stability

Technical Specification

Application Field	Motor, compressor, bearing and other rotating machine	
Measuring parameters	Acceleration (m/s ²), Velocity (cm/s), Displacement (mm)	
Testing range	Acceleration	0.1m/ s ²
	Velocity	0.01cm/s
	Displacement	0.001mm
	Error	≤ ±5%
Frequency range	Acceleration	0.1 m/ s ² ~199.9 m/ s ² (peak to peak)
	Velocity	0.01cm/s~19.99 cm/s
	Displacement	0.001mm~1.999mm (peak value)
Data memory	100 group	
Voltage	6V	
Charging time	≤132min	
Power	Input: 220v/AC, 50Hz	
	Output: 12V/DC, 600 mA	
Continuous working time	> 16 hours	
Temperature	0~40	
Humidity	90%RH	
Dimensions (mm)	230 x 84 x 33	

Standard Delivery

- Main unit
- Sensor
- Magnetic base
- Charger
- TIME certificate
- Warranty card
- Instruction manual

Optional Accessory

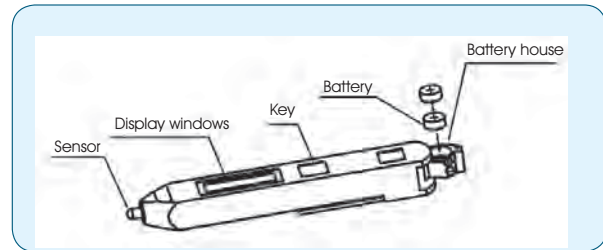
- Needle groupware

Vibration Pen TV200/220/260



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
- TV200 is used specially for velocity testing
- TV220 is used specially for displacement testing
- TV260 is used for testing of acceleration, velocity and displacement



Technical Specification

Model	TV200	TV220	TV260
Parameters	RMS of vibration velocity (mm/s)	Displacement	Acceleration, Velocity, Displacement
Testing range	Velocity: 0.1mm/s~199.9mm/s	Displacement: 0.01mm~1.999mm (peak-peak)	Acceleration:0.01-199.9m/s ² (peak) Velocity: 0.01-199.9 mm/s (RMS) Displacement: 0.001-1.999 mm (peak-peak) Acceleration:10Hz~1kHz
Frequency range	Velocity:10Hz~1kHz	Displacement: 10Hz~500Hz	Velocity: 10Hz~1kHz Displacement: 10Hz ~ 500Hz Acceleration:10Hz~1kHz
Tolerance	± 5%		
Display	3 1/2 digits LCD		
Power supply	two button batteries (LR44 or SR44)		
Battery capacity	Approx. 4.5 hours working continuously		
Operating Temperature	0 ~40		
Humidity	<85%		
Dimensions (mm)	150 x 22 x 18		
Weight (g)	55 (including batteries)		

Standard Delivery

Main unit	1
Battery	2
Protection pocket	1
TIME certificate	1
Instruction manual	1
Warranty card	1

Vibration Tester TV300



Features:

- Advanced vibration tester with large measuring range
- Three display modes:
 - Special mode: displaying acceleration, velocity and displacement
 - Common mode: displaying one of acceleration, velocity and displacement
 - Spectrum mode: displaying vibration spectrum
- Large memory up to 1550 readings and 25 spectrums
- Easy diagnosis: alarm is sounded when vibration go over limit set, and get into spectrum mode
- Testing results and spectrums can be printed out with optional micro-printer
- Can be connected with PC by special software for further analyses of vibration
- Display the FFT spectrum chart

Technical Specification

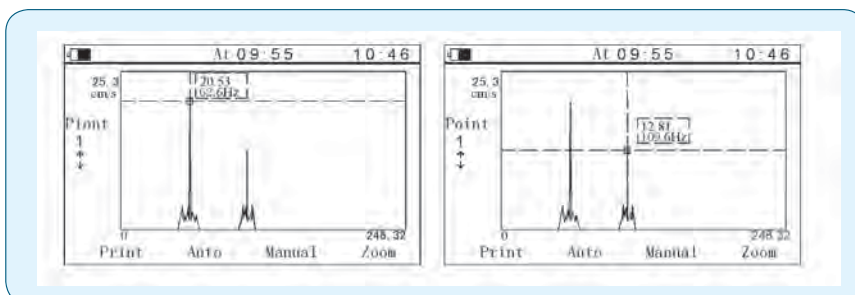
Testing range	Acceleration	0.1m/s ² -392m/s ² (peak value)
	Velocity	0.01cm/s-80cm/s (virtual value)
	Displacement	0.001mm-18.1mm (peak to peak value)
Frequency range	Acceleration	10Hz-200Hz, 10Hz-500Hz, 10Hz-1KHz, 10Hz-10KHz
	Velocity	10Hz-1KHz
	Displacement	10Hz -500Hz
Power	Li-ion rechargeable battery	
Display	LCD, 320 × 200 pixels with backlight	
Working temperature	0 - 40	
Tolerance	± 5%	
Dimensions (mm)	171 × 78.5 × 28	
Weight (g)	230	

Standard Delivery

Main unit	1
Accelerometer probe	1
Magnetic base	1
Charger	1
Protection pocket	1
TIME certificate	1
Instruction manual	1
Warranty card	1

Optional Accessory

Needle groupware	
Long needle	
Printer TA230 (see page Z1)	
Dataview software	



Vibration Tester TV310/320



Features:

- TV310 is equipped with low sensitivity probe, suitable for testing strong vibration signal
- TV320 is equipped with high sensitivity probe, suitable for testing weak vibration signal
- Two display modes: digital value mode and spectrum mode
- Large memory function: 100 x 100 measured results (100 testing points, 100 data can be stored in each testing point) ; 100 Spectrum charts
- Spectrum chart can display in real time
- Easy diagnosis: alarm is sounded when vibration go over limit set , and get into spectrum mode
- Testing results and spectrum chart can be printed out when connected to printer
- 300 x 200 matrix LCD display with backlight
- Compared with TV300, the testing result of TV310/320 is more accurate and stable especially in low frequency

Technical Specification

Model		TV310	TV320
Measuring range	Acceleration	1m/s ² ~392 m/s ² (Peak)	0.1 m/s ² ~20 m/s ² (Peak)
	Velocity	0.1 cm/s~80cm/s (RMS)	0.01 cm/s~4cm/s (RMS)
	Displacement	0.01mm~18.1mm (Peak-Peak)	0.001mm~0.8mm (Peak-Peak)
Frequency range	Acceleration	10Hz~200Hz, 10Hz~500Hz, 10Hz~1KHz, 10Hz~10KHz	
	Velocity	10Hz~200Hz, 10Hz~500Hz, 10Hz~1KHz	
	Displacement	10Hz~500Hz	
Accuracy		± 5%	
Temperature		0 ~40	
Relative humidity		≤80%	
Dimension (mm)		171 x 78.5 x 28	
Power		Li battery (continuous working 20 hours)	

Standard Delivery

Main unit	1
Protection pocket	1
Low sensitivity probe (only for TV310)	1
High sensitivity probe (only for TV320)	1
Power adapter	1
Magnetic base	1
Instruction manual	1
TIME certificate	1
Warranty card	1

Optional Accessory

Needle groupware	
TA230 printer (see page Z1)	
RS232 communication cable	

