



# TIME TV7231 Portable Vibration Tester

Can be used in accordance with:  
ISO 2954, GB/T13824, GB138233



The TIME TV7231 Portable Vibration Tester with full graphic LCD and Spectrum Analysis has a large measuring range with a displacement up to 18.1. It analyses acceleration, velocity, displacement, rotation speed and frequency.

## Features

- TV7231 is equipped with low sensitivity probe, suitable for testing strong vibration signal.
- Two display modes: digital value mode and spectrum mode
- Large memory function: 100×100 measured results (100 testing points, 100 data can be stored in each testing points); 100 Spectral 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
- 300×200 matrix LCD display, with backlight
- RS-232 output for a PC (optional software)

## Test Method

- Common mode displays any one of peak acceleration, velocity in RMS and displacement in peak-to-peak
- Special mode displays all the above options simultaneously.
- Spectrum mode display, spectrogram with status bar on display with warning and alarm limit as well as memory for 100 x 100 readings and 100 spectrograms and RS-232 output for a PC (optional software).



## Technical Specifications

<b>Model</b>	<b>TV7231</b>
<b>Testing Range</b>	
Velocity	0.1cm/s~80cm/s (RMS)
Acceleration	1m2/s ~392m2/s (Peak)
Displacement	0.01mm~18.1mm (Peak-Peak)
<b>Frequency Range</b>	
Velocity	10Hz~200Hz、10Hz~500Hz、10Hz~1KHz、10Hz~10KHz
Acceleration	10Hz~200Hz、10Hz~500Hz、10Hz~1KHz
Displacement	10Hz~200Hz, 10Hz~500Hz
Accuracy	±5% ±2
Display	3½ Digits LCD refresh Interval about 0.5 second
Power supply	Li battery (continuous working 20 hours without backlight)
Battery Capacity	Approx. 5 hours working continuously
Operating temperature	0-40 °C
Environment Relative Humidity	≤80%RH
Dimensions	171mm x 78.5mm x 28mm
Weight	230g (include 2 batteries)

## Packing List

TIME TV7231 Portable Vibration Tester
Protection Pouch
Low sensitivity probe
Power Adapter
Magnetic Base
Warranty Card
Instruction Manual
Calibration Certificate



## Optional Accessories

Needle Groupware
Data Software & Cable