



TIME 7231-7232 Vibration Meter

Applications:

Vibration monitoring and Diagnostics

- **Structural Vibration:** Analysis and identification of vibration sources and problems in structures
- **Product Testing:** Vibration and shock testing to identify potential design problems
- **Acceptance Testing:** Testing and analysis to ensure products comply with specified vibration tolerance limits
- **Workplace Vibration:** Measurement and analysis of vibration from hand tools and other equipment



Features:

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| • 7231 equipped with low sensitivity probe for testing strong vibration signals. |
| • 7232 equipped with high sensitivity probe for testing weak vibration signals. |
| • Two display modes: Digital Value and Spectrum mode |
| • Large memory function: 100 x 100 measured results |
| • Spectrograms can display in real time |
| • Easy diagnosis: alarm sounded when vibration goes over set limit |
| • Testing results and spectrograms can be printed out when connected to a printer |
| • 320 x 200 matrix LCD display, with backlight |





Specifications:

Measuring Range	Acceleration
	7231: 1 m ² /s ~ 392 m ² /s (Peak)
	7232: 0.1m ² /s ~ 20 m ² /s (Peak)
	Velocity
	7231: 0.1 cm/s ~ 80 cm/s (RMS)
	7232: 0.01 cm/s ~ 4 cm/s (RMS)
	Displacement
	7231: 0.01 mm ~ 18.1 mm (Peak—Peak)
	7232: 0.001 mm ~ 0.8 mm (Peak—Peak)
Frequency Range	Acceleration: 10Hz ~ 200Hz, 10Hz ~ 500Hz, 10Hz ~ 1KHz, 10Hz ~ 10KHz
	Velocity: 10Hz ~ 200Hz, 10Hz ~ 500Hz, 10Hz ~ 1KHz
	Displacement: 10Hz ~ 200Hz, 10Hz ~ 500Hz
Accuracy	± 5%
Power	Lithium batter (continuous working, 20 hours without backlight)
Temperature	0°C ~ 40°C
Humidity	≤ 80% RH
Dimension (mm)	171 x 78.5 x 28
Weight (g)	230

Standard Delivery:

- Main unit x 1
- Protection pocket x 1
- Low sensitivity probe (only TIME 7231) x 1
- High sensitivity probe (only TIME 7232) x 1
- Power adapter x 1
- Magnetic base x 1
- TIME certificate x 1
- Warranty card x 1
- Instructional manual x 1

Optional accessories:

- Dataview • Needle groupware • TA230 printer • RS232 communication cable