

MarMonix MVB 600

Vibration Meter

Data Sheet



Quick Spec Highlights

- **Acceleration measuring range:** 0.1 m/s² ~ 300 m/s²
- **Velocity measuring range:** 1 mm/s ~ 850 mm/s
- **Distance measuring range:** 1 μm ~ 3300 μm
- **Frequency measuring range :** 30 Hz ~ 14 kHz

Key Features

- Measures **vibration** (ACC/VEL/DIS), **frequency**, and **temperature**
- **Large TFT display**
- **Auto high/low speed switching**
- **Max/Min/AVG display & line chart**
- **Auto/Manual data logging with storage**
- **Adjustable sampling & auto- power off**
- **Multiple-units & machine level selection**
- **Self-calibration & low-power warning**
- **Chinese/English languages**
- **USB charging & PC software**
- **Exports CSV/BMP** and works as USB drive

Ordering Info

- **Part Number :** 7603191
- **GTIN:** 6298043998260

Package Contents

- 1 × MVB 600 (main unit)
- 1x vibration probe
- 1 × USB cable
- 1 × Rechargeable lithium battery
- 1 × Protective carrying case
- 1 × Certificate of Conformity
- 1 × Warranty card
- 1 × User manual

Warranty

This device is covered by a 2-year warranty from the date of purchase, ensuring reliability and long-term support. The warranty applies to defects in materials and workmanship under normal use. It excludes consumables (fuses, disposable batteries) and damage caused by accident, misuse, modification, contamination, or operation outside specified conditions.

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Specifications

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Item	Range	Accuracy	Note
Acceleration	0.1 m/s ² ~ 300 m/s ²	±1.5% ±2 digits (In the frequency range of 20 Hz ~ 8 kHz) ±3% ±2 digits (In the frequency range of 8 kHz ~ 12 kHz)	
Velocity	1 mm/s ~ 850 mm/s	±1.5% ±2 digits	In the frequency range of 20 Hz ~ 1 kHz
Distance	1 μm ~ 3300 μm	±1.5% ±2 digits	In the frequency range of 20 Hz ~ 1 kHz
Frequency	30 Hz ~ 14 kHz	±1% ±2 digits	Acceleration must be greater than 3 m/s ²
Temperature	-10 ~ 60 °C (14 ~ 140 °F)	±5% or ±1.5 °C of reading (whichever is greater).	—
Vibration acquisition	Piezoelectric ceramic accelerometer (shear type)		
Storage space	8 MB (Store approximately 397,000 data points)		
Power supply	2000 mAh 3.7 V lithium battery		
Low battery indicator	4-level battery level indicator, automatic shutdown when voltage is below 3.3 V		

Disclaimer

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