

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

| Specifications | | | |
|-----------------------|---|---|--|
| 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

The information contained in this datasheet is believed to be accurate and reliable at the time of publication. However, MarMonix reserves the right to make changes to specifications, features, or design without prior notice. Performance specifications apply under standard laboratory conditions and may vary in different environments. This product is intended for professional use only. MarMonix shall not be liable for any incidental, consequential, or special damages arising from the use of this product.