

VirbaZEB VM-3D Vibration Meter

The vibration meter VibraZEB VM-3D was designed for easy operation recommended for users who don't require additional accessories such as printer and data transfer via web interface (only with VibraZEB VM-7D+).

The vibration meter VibraZEB VM-3D also fulfils the requirements of International Standards (France: GFEE, Germany: DIN 4150. Great Britain BS 7385, Spain UNE 22-381 and Portugal NP-2074).

The 3-channel vibration meter stores up to 500 events with vibration velocity, frequency, date and time on a SD-Card.

To operate the vibration meter there are only two buttons and the touch sensitive (resistive) color LCD display.

The measured events can be viewed directly after the recording in the equipment.

The events can be analyzed and documented with the provided Windows Software.



Technical Data

Channels	3	External power supply	12 V
Measured variable	Velocity of vibration $v(t)$	Internal power supply / autonomy	Li-Polymer / approx. 15 hours
Measuring range / resolution	± 100 mm/s / 0.01 mm/s	Display	TFT full color graphic screen, 4-LEDs
AD-converter / sampling interval	16 Bit / 2048 SPS	Keyboard	2 membrane keys + Touchscreen
Data storage memory	approx. 500 records	Protection	IP 54
Frequency range	1 – 315 Hz	Dimensions (mm)	210 x 100 x 40
Recording time	1, 2, 4, 8, 16 seconds	Weight (without accessories)	0,5 kg
Trigger Mode / range	Automatic / 0,2 – 100 mm/s	Operating temperature	-10°C to 50°C
Data transfer mode	SD Card	Storage temperature	-20°C to 60°C

The vibration meter is delivered with power supply, 2GB SD-Card, triaxial transducer with integrated bubble level and 2m connection cable. Optional a PELI BOX hard shell case or a light weight textile carrying case are available.

- easy handling and operation
- light weighted and requires only little space
- 3 channels
- SD-Card
- Windows Software (x64-compatible)
- language setting (English, German, French, Spanish, Portuguese)
- International Standards setting (DIN 4150, BS 7385, GFEE, UNE 22-381, NP-2074)
- approx. 15 hours operating time
- extended operating time up to 7 days (optional)
- textile carrying case (optional)
- Peli Box hard shell case (optional)



VibraZEB VM-3D with triaxial transducer with bubble level



Peli Box hard shell case



Textile lightweight case

Legal Warning and Disclaimer:

The information contained herein can vary according to the different conditions of storage and use of the products as well as external factors like temperature, humidity and pressure, among others.

This product is potentially dangerous; and, therefore, its use and handling must be restricted to the personnel duly qualified and be submitted to applicable laws.

The documentation described herein shall not be considered as contractual commitment and its disclosing shall not be able to be treated as a contractual offer. By virtue of this document the Company does not assume any liability nor warranty before third parties.

We reserve the right to make changes to reflect technical advancements.