### VibroMetra PC Vibration Measuring System

**Whole-Body Vibration Meter VM31**
- **Vibration Switches**
  - Digital Vibration Sensor
  - Plug-in Filter Modules for M12, M33 and M208

#### Human Vibration

**Human Vibration Meter VM31**
- **Basic**: USB
- **Advanced**: IEPE / USB

**Available Software Instruments**
- IEPE
- USB

**Optional Hardware**
- M302
- IEPE / USB

- **Supported Standards**
  - ISO 8041 / ISO 5349
  - IS0 10816

**Monitoring and Displaying**
- Velocity
- Displacement
- Acceleration
- Peak
- Level

**Relay Output**
- Analog and digital

- **Other Features**
  - Monitoring and display of measuring results as polar graphic and numbers
  - View of several FFTs over time (3D) in addition to the functions of
  - True RMS, crest factor of three axes
  - 2D measurement: Frequency, Time, Amplitude, Velocity, Displacement

**Frequency Ranges**
- 0.3 to 2000 Hz

**Measuring Ranges**
- 0.1 - 1000 mm/s

**Monitoring and Recording**
- 10 - 1000 Hz

**Frequency Response**
- 10 - 1000 Hz

**Data Storage**
- Up to 10,000 records

**Interface**
- USB

**Monitoring and Displaying**
- Velocity: 0.1 - 2400 mm/s at 1 Hz; 0.1 - 30 mm/s at 80 Hz

**Vibration Monitors**
- **M302**
- **M33**
- **M208**

**Monitoring Modules**
- **FB3**
- **FB4**
- **FB5**
- **FB6**

**Plug-In Filter Modules**
- **FB3**
- **FB4**
- **FB5**
- **FB6**

**Building Vibration Monitoring**
- **M14**
- **M1**

**Measuring Ranges**
- Velocity
- Frequency
- Acceleration

**Condition Monitoring**
- Acoustic vibration monitoring
- Bearing monitoring
- Predictive maintenance

**Support**
- Updates are free of charge.
- Simple plug & play installation.
- Off-line measurement: The system saves raw data in the background for later analysis.
- Also supports IEPE compatible microphones, force and pressure transducers.

**Why choose VibroMetra**
- PC Based Human Vibration Measurement
- Daily vibration exposure A(8) with different activities
- Vibration acceleration, velocity and displacement
- Pre and post triggering
- Bar graph and numeric display

**Available in the following kits**
- VM31-WB (Whole-Body Kit)
- VM31-S (Ship Vibration Kit)
- VM31-M (Machine Vibration Kit)

**Power Supply**
- 3 AAA cells or USB

**Models**
- M8 mounting stud
- MOS relay 60 V / 0.5 A

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**Since 1954**

**Vibration**

- Sensors
- Signal Conditioners
- Monitors
- Calibrators

**Energy plants**
- Material testing
- Modal analysis
- Structural health monitoring
- Vibration severity drop testing
- Vibration
- Test
- End-of-life test
- Vibration immission noise
- Vibration severity drop testing
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- Vibration severity drop testing