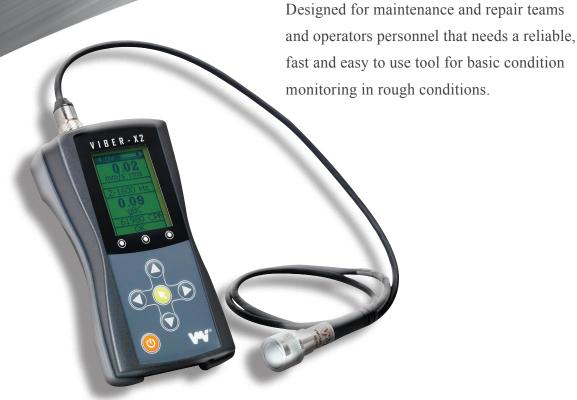


## VIBER X2TM



- Real-time measurements of the total vibration level and the Bearing Condition (BC), shown simultaneously
- · Bar indicator displays measurement stability
- Fast and easy fault analysis displaying the five largest amplitude peaks frequency in RPM or Hz on main screen display
- Low power consumption
- Overflow alarm limits are clearly displayed with a yellow and red LED indicator
- Several languages are available
- Dust and waterproof, for rough use (IP 65)



## Technical data Viber X2TM

| Vibration transducer  | Accelerometer  | Standard nom 100 mV/g                                     | (Selectable sensitivity in the instrument)  |
|---|--|---|---|
| Input amplitude range   | Vibration  | Max 50g RMS   | With other sensor up to 500g  |
|   | Bearing condition  | Max 5 gBC   |   |
| Dynamic range   | 80 dB (at 156,1 Hz with auto ranging)                            |   |   |
| Frequency range   | Vibration  | 2 - 400 Hz<br>10 - 1000 Hz<br>6 - 1600 Hz<br>11 - 3200 Hz | User selectable   |
|   | Bearing condition  | 0.5 to 16 kHz   |   |
| Vibration units   | g-value, mm/s, m/s², in/s, μm, mils                              |   | User selectable   |
| Amplitude presentation  | RMS, Peak, Peak-Peak   |   | User selectable   |
| Analysis  | Five highest peaks can be displayed                              |   |   |
| Frequency range of peak detection                                 | Frequency range 2 - 400 Hz 6 - 1600 Hz 11 - 2000 Hz 10 - 1000 Hz |   | User selectable unit, between Hz and RPM  |
| Accuracy  | Vibration  | ± 3%  | Full scale is 50g for acceleration other units are frequency dependent.  All values are related to the normal acceleration  9,80665 m/s². |
|   | Bearing condition  | ± 5%  | Over 0.03 gBC   |
|   | Frequency/RPM  | ± 0.5 Hz/ ± 30 RPM  |   |
| Battery   | Rechargeable<br>Lithium  | 2300 mA/h max 60°   | Capacity of the batteries can vary<br>depending on hardware revision. Max<br>2300 mAh. (Storage temp20 °C to<br>max 60 °C)                |
| Operating time  | 1 week normal use  |   |   |
| External charger  | 5,0 V regulated @ 2000 mA  |   |   |
| LCD display   | B&W 64 x 120 pixels with background light                        |   | Operating temp. min 0 °C to max 50 °C, storage temp. max 72 °C  |
| Enclosure protection  | IP 65  |   |   |
| Operating temp. range   | 0 to 50 °C   |   | The restriction concerns display  |
| Weight  | 340 gram   |   | Instrument, including battery and transducer  |
| Size (L x W x H)  | 145mm x 77mm x 47mm  |   |   |
| OBS. If changing to another accelerometer, the sensitivity (mV/g) |  |   |   |

**OBS.** If changing to another accelerometer, the sensitivity (mV/g) must also be changed. This is done in the menu under "Transducer".

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