

MV- Datamanager

- application system upgrade for the work with MV vibration meter
- archiving and presentation of measured vibrations values on PC
- complete vibration diagnostics, errand data collection (Data Logger)
- direct vibrations values collection (On Line)
- printing report of measured data
- printing labels for identification of measuring points

Purpose:

The MV Datamanager software superstructure is designed for an interactive work with vibration meter MV. This program makes the work with the vibration meter MV as well as its control more simple and better arranged. After connection PC and MV device through the RS232 port or USB, program permits to transmit collected data from MV and into MV transmit sequences and parameters for individual measuring places. By using PC is possible to perform long-term monitoring, evaluation and storage of measured vibration values, moreover everything can be obtained in well arranged form of figures and charts.

The program is designed primarily for making user work easy during periodical diagnostics of vibration for identical points and machines taking into account long-term time horizon (errand rounds-measurement) and supports also the direct On Line diagnostics of measured places.

The program synoptically presents measured values from individual measured places, compares them with determined values of acceptable operating states and to user gives also the survey about the time development of vibration values on concrete measured places. Then is possible to print these time surveys such as protocols about measured vibration values into prepared forms or analyze in the form of charts.

For sophisticated data analysis (statistical processing, charts) is determined conversion function for export data to the *.csv file. Thus the exported data can be read into MS Excel program. Thanks to this, user can also create their own print sets and protocols.

Recommended computer configuration:

- Operating system PC WINDOWS XP, Vista, 7, 8 (8.1), including .NET Framework (.NET 3.5)
 - 64-bit system supports run application for 32-bit system
- 32-bit (x86) processor with frequency 1GHz
- RAM 512 MB
- One free COM (RS232) or USB port – Properly installed and functional COM port or in case the device is connected via USB is necessary to install the driver to create a virtual COM port (the driver is included on the installation CD)
- 300MB free space on HDD (In case installation application including .NET environment)
- Video adapter and monitor Super VGA with resolution 800 x 600
- CD or DVD drive
- Keyboard and mouse Microsoft or compatible
- Printer – any mono printer

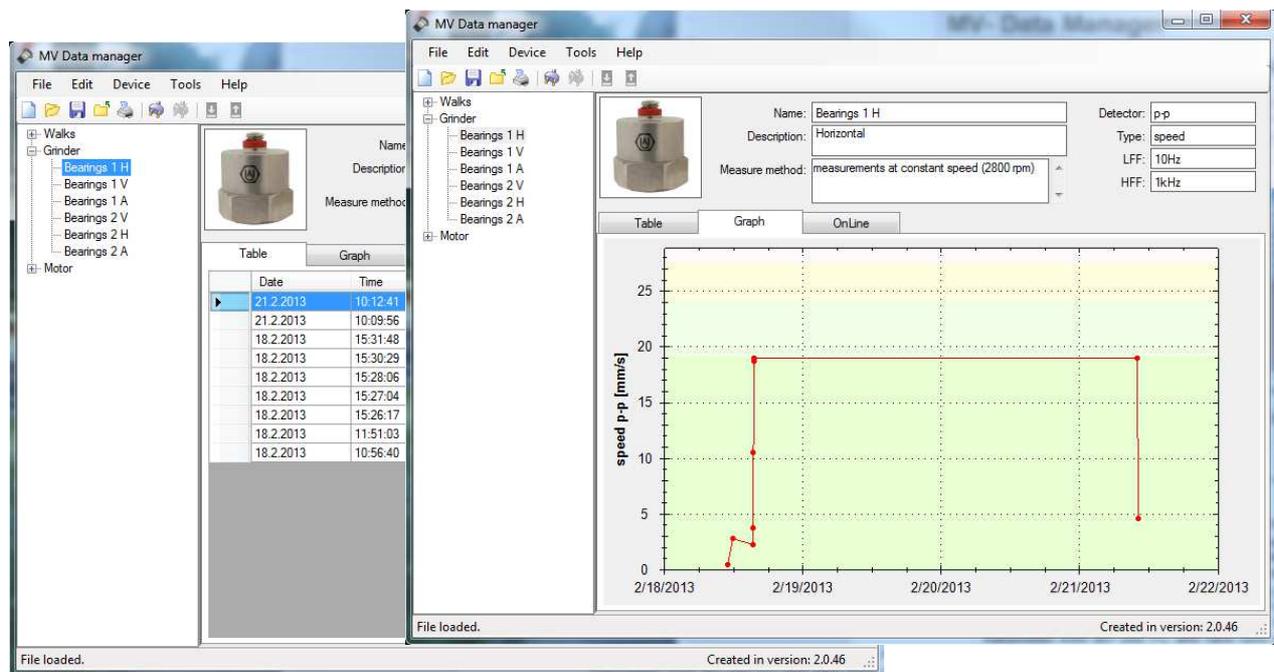
The application has been tested and works under Windows XP, Windows Vista, Windows 7 and Windows 8 (8.1) – operating system must have installed the .NET Framework version 3.5

Basic requirements for operators:

Basic knowledge and skills regarding the programs under Windows.

When ordering the product it is appropriate to indicate the type of operating system on which the software will run.

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The viewport of application MV Datamanager screens

Examples of utilization:

1. The user using the MV Datamanager defines the order and measuring parameters of individual monitored measuring places. This way formed product (plan of errand) will store into PC together with the definition of the kind of errand. Before the execution of the errand, the service transfers the file into memory of device MV. With the MV apparatus does the measurement step by step in all pre-defining places. The MV apparatus always displays the sequence number of measured place and set parameters for the measurement according the determination at the forming of errand plan. After finishing of measurement, stored values are transmitted from MV into PC and here form a file with record of measured values for another monitoring.
2. Another example is to use the program features On-line measurement and data logger. E.g. at work the final inspection or testing laboratories, where it is possible to have a PC connected with MV device. On the selected measuring point in section On-line measurement operator sets the period of data reading from device (500-5000 millisecond) and choose the storage selection. Here you can choose to store all values, to store values over the limit or not to store periodically measured values, but only manually by press Save button. Then the operator starts the measurement. The measured values are stored until the measurement is stopped. Thus the collected data can then be analyzed, printed or exported to a *.csv file for further processing e.g. in MS Excel.

Contents of delivery for the MV Datamanager application:

- Installation pack of MV Datamanager application on CD
- Communication cable (if not supplied with the device)