



VM600 MPS1 and MPS2 Software

Configuration software for VM600 series machinery protection systems (MPSs)

FEATURES

- » From the Vibro-Meter® product line
- » Graphical user interface software for maximum ease of use
- » Runs on Windows® Server 2003, Windows NT, Windows 2000, Windows XP, Windows Vista and Windows 7 operating systems
- » On-line help included
- » Available in 3 languages (English, French, German)
- » Delivered with instruction manual on CD-ROM (in PDF format)



MPS application software splash screen



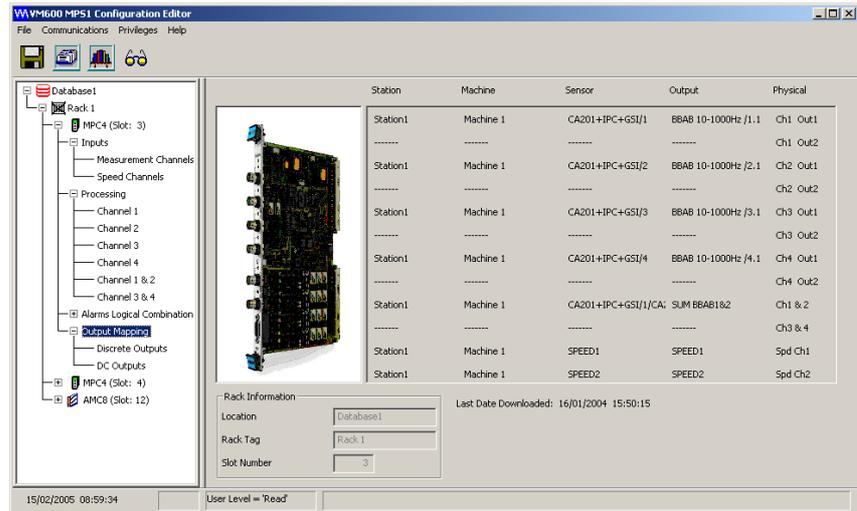
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DESCRIPTION

Two configuration software packages are available for use with the VM600 series machinery protection systems (MPSs) from Meggitt Sensing Systems' Vibro-Meter® product line: MPS1 and MPS2. The packages run under Microsoft® Windows Server 2003, Windows NT, Windows 2000, Windows XP, Windows Vista and Windows 7 and are menu-driven for ease of use.

MPS1 and MPS2 Software – configuration

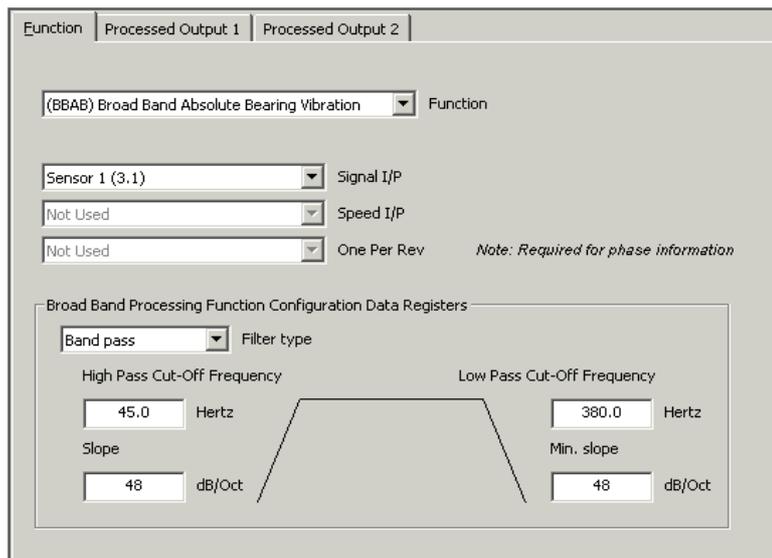
The MPS1 Software and the MPS2 Software both support the stand-alone configuration of MPC4 and AMC8 cards, via the cards' serial connectors. Alternatively, if the cards are installed in a networked VM600 rack (that is, a rack containing a CPUM card used for rack control and communication), they can be configured in "one-shot" mode using an Ethernet TCP/IP link from the computer to the CPUM. All major parameters concerning the speed and vibration channels processed by the cards can be configured. This includes the input of sensor characteristics, the choice of the type of vibration monitoring to perform, the definition of measurement units, rectification types, alarm levels and so on.



Configuration screen for an MPC4 card

MPS2 Software – trending (visualisation)

The MPS2 Software also supports the visualisation and trending of data for MPC4 and AMC8 cards installed in a networked VM600 rack. MPS2 adds additional data recording and display features to the basic configuration functionality of the MPS1 Software. With MPS2, the data measured can be stored in a database and recalled later for trend analysis. Up to 50000 data records can be stored using a cyclic 'first-in-first-out' method. Note: The period of time that database records can cover depends on the data acquisition rate you have specified.



Configuration screen for a processing channel

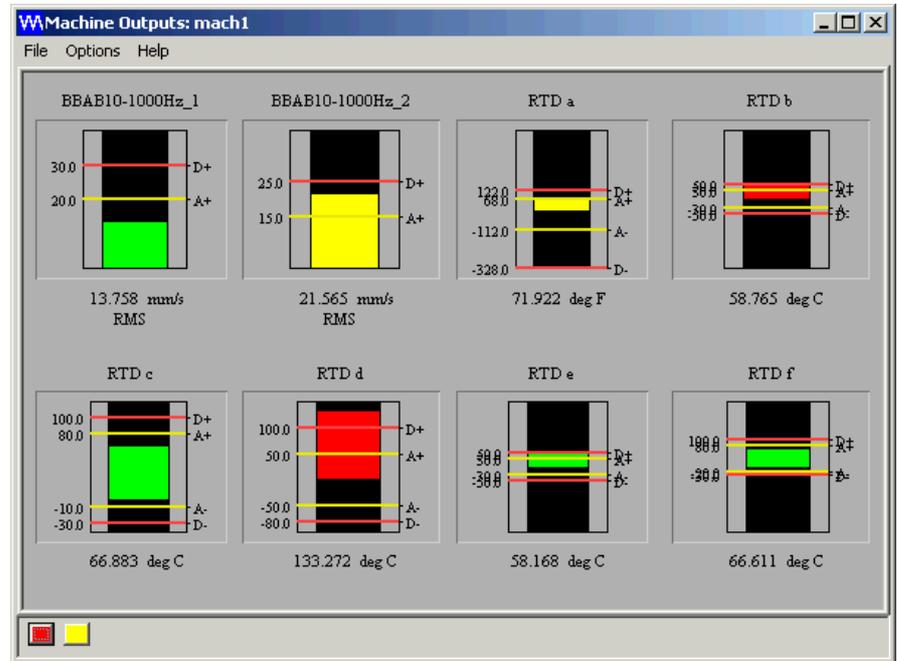
DESCRIPTION (continued)

MPS2 Software plots

The following different charts can be displayed by the visualisation and trending package of the MPS2 Software, in order to allow the real-time display of sensor values or graphs for trend analysis.

1. Bar chart (live data)

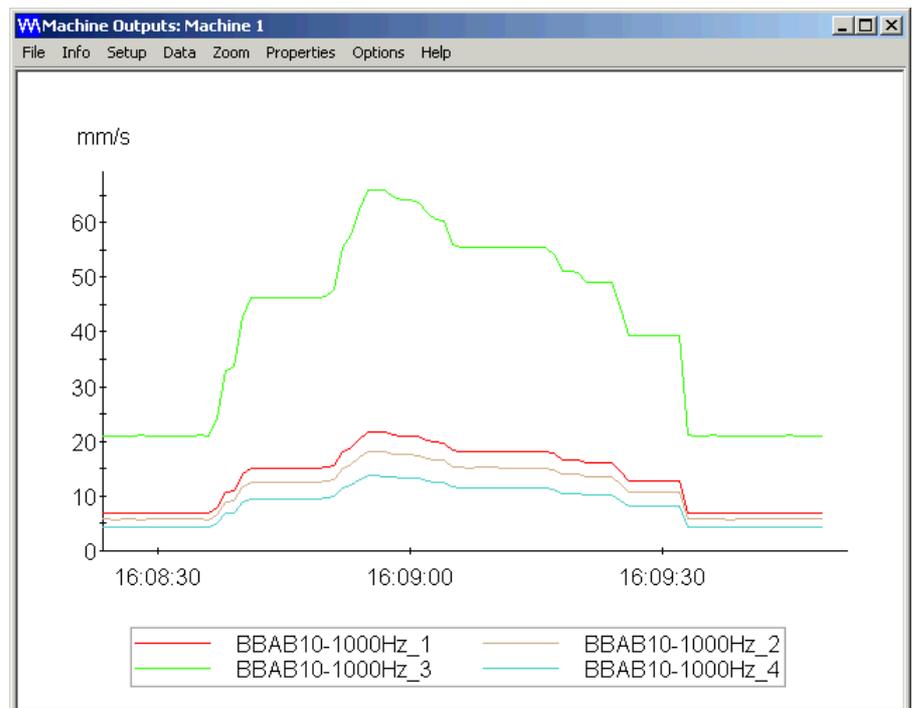
Up to 8 bars can be displayed per page. Direct access to other pages available. Status of all bars on all pages can be seen at a glance.



Bar charts showing real-time display of monitored signals

2. Strip chart (live data)

Up to 16 lines can be displayed per page. Direct access to other pages available. Status of all lines on all pages can be seen at a glance. Zoom facilities and print function available.



Strip charts showing real-time display of monitored signals

DESCRIPTION (continued)

3. Trend chart (historical data)

Feature available for analysis of historic data acquired at the user's request.

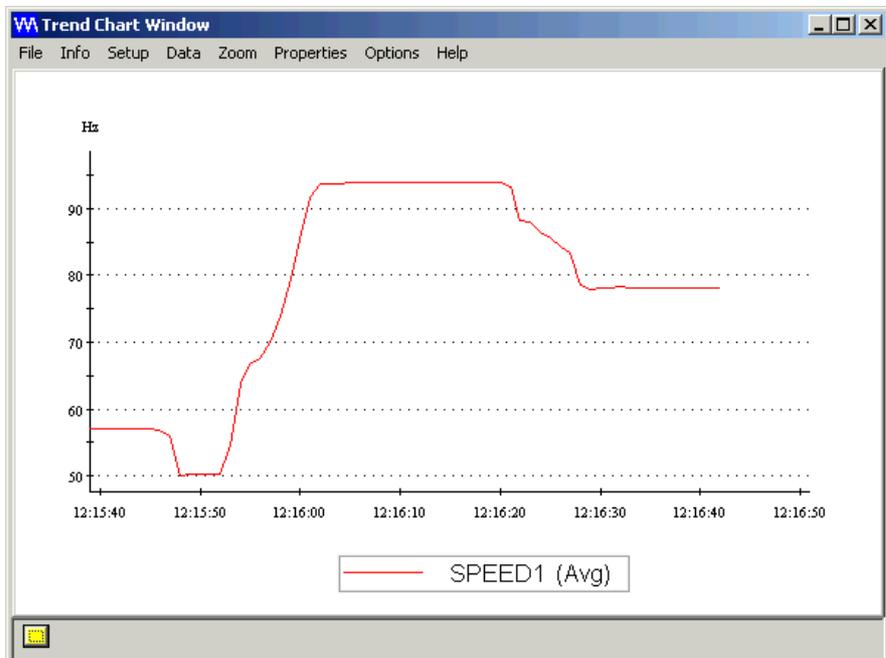
Up to 16 lines can be displayed. Zoom facilities and print function available.



Trend chart (short-term)

4. Long-term (averages) trend chart (historical data)

Up to 16 lines can be displayed. Zoom facilities, print function and data export facilities available.



Long-term (averages) trend chart

SUPPORTED DEVICES

The following devices are supported by the MPS1 and MPS2 Software:

- MPC4 and IOC4T machinery protection card pair
- AMC8 and IOC8T analog monitoring card pair
- MPC1 and IOC4T machinery pulsation card pair (optional)

HARDWARE REQUIREMENTS

Minimum computer configuration:

- 200 MHz 32-bit (x86) processor
- 32 MB system memory
- At least 200 MB of hard disk space
- 16-colour VGA display
- One 9-pin serial port (RS-232)
- Ethernet or Fast Ethernet network card (TCP/IP)
- CD/DVD drive
- Optional 100 GB (or larger) backup media

SOFTWARE REQUIREMENTS

Microsoft Windows Server 2003, Windows NT, Windows 2000, Windows XP, Windows Vista or Windows 7 operating system

ORDERING INFORMATION

To order please specify

Type	Designation	Ordering number
MPS1	VM600 configuration software for machinery protection systems	209-500-100-SSS
MPS2	VM600 configuration and trending software for machinery protection systems	209-500-200-SSS

Notes

“SSS” represents the software version.

Specify your order options using the format 209-500-X00-SSS/Code 1/Code 2/Code 3, as follows:

Code no.	Feature	Value	Description
Code 1	Language	01 02 03	English French German
Code 2	Number of hard copies of user manual	00 01 0x	None 1 set x = number of sets
Code 3	MPC1 machinery pulsation card support	00 01	MPC1 not supported MPC1 supported

For example: 209-500-100-SSS/01/03/00 would request the MPS1 Software in English, with three user manuals and without support for the MPC1 card.

Headquartered in the UK, Meggitt PLC is a global engineering group specializing in extreme environment components and smart sub-systems for aerospace, defence and energy markets.

Meggitt Sensing Systems is the operating division of Meggitt specializing in sensing and monitoring systems, which has operated through its antecedents since 1927 under the names of ECET, Endevo, Ferroperm Piezoceramics, Lodge Ignition, Sensorex, Vibro-Meter and Wilcoxon Research. Today, these operations are integrated under one strategic business unit called Meggitt Sensing Systems, headquartered in Switzerland and providing complete systems, using these renowned brands, from a single supply base.

The Meggitt Sensing Systems facility in Fribourg, Switzerland was formerly known as Vibro-Meter SA, but is now Meggitt SA. This site produces a wide range of vibration and dynamic pressure sensors capable of operation in extreme environments, leading-edge microwave sensors, electronics monitoring systems and innovative software for aerospace and land-based turbo-machinery.



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In this publication, a dot (.) is used as the decimal separator and thousands are separated by thin spaces. Example: 12345.67890.

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Your local agent

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ISO 9001
FS 584089

