



VibroMatrix®

Global Options - Event Messengers

VibroMatrix®

Many instruments of VibroMatrix can transfer measured values and states (e.g. alarms) outward automated. Messaging can be carried out by different techniques which are described in the following.

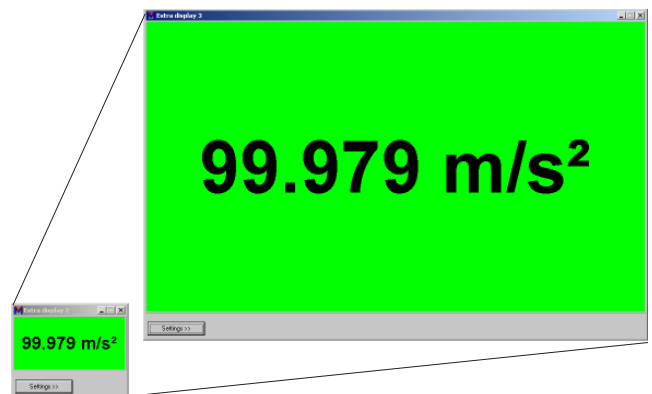
Event messenger **extra display**

If VibroMatrix is to be applied for monitoring or inspection tasks (for instance in quality control), work is often divided:

1. Measurement experts define measurement modes as well as limit values and configure the VibroMatrix instruments acc. to these specifications.
2. Measurement staff carries out the measurements afterwards. A clear but also simplified view on the measurement result is required.

This simplified view is fulfilled by the messenger extra display. The extra display is a window adjustable in size, which fills out the complete screen if required. It indicates a measured value or status and colors the text color and the background acc. to the configured specifications.

This free event messenger is always included in VibroMatrix delivery.

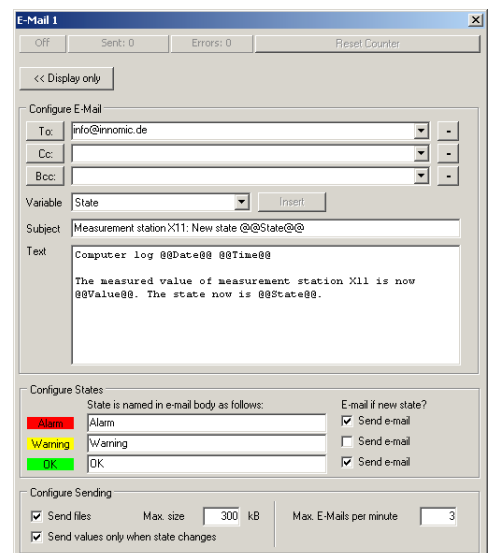


Event messenger **e-mail**

Long-term measurements with quite few events are often to run unattended. Still, interesting events are to reach the measurement staff.

A suitable way of transmitting data in general is by e-mail. Depending on the instrument, the following VibroMatrix data is transmitted:

- Single values
- Status messages
- Measurement graphics
- Greater amounts of measurement data

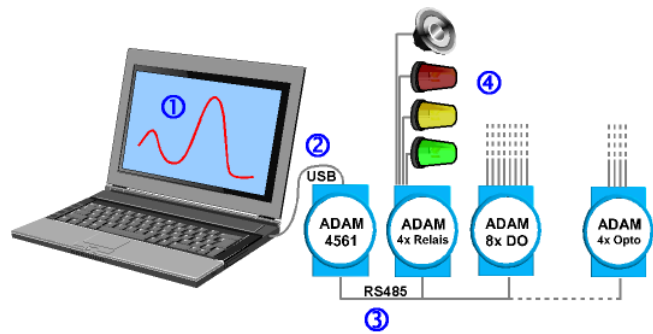


Event messenger **digital output**

A single VibroMatrix system is able to control hundreds of switching outputs. Therefore, VibroMatrix is combined with the industrial ADAM bus system, which can be equipped with as many switching modules as required. The switching modules are available in different variants and offer:

- Relay outputs
- TTL digital outputs
- Electrically insulated digital outputs

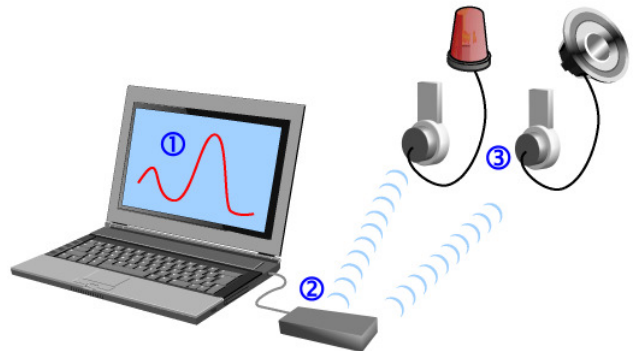
Thus, VibroMatrix - installed stationarily - becomes a powerful alarm system for limit exceedings of vibrations and shocks.



Event messenger **radio switch**

By means of this messenger, alarm states can be signaled by electric devices. Therefore, the messenger controls a 230V radio switch which switches the power supply of connected loads. These loads can be alarm lamps, horns, flashing lights or other devices as well.

The measurement PC (1) is equipped with a single USB radio control center type FHZ 1000 PC (2). It transfers the switching commands to all associated radio switches (3) by radio communication.



Changes without prior notice

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— D e u t s c h l a n d —

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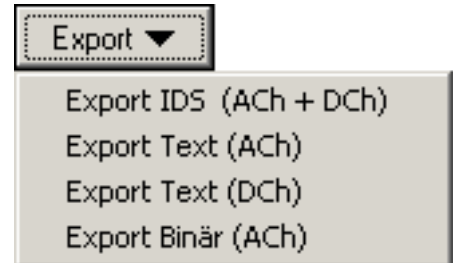
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Global Options - InnoMaster Replay

IDS2ASC and IDS2BIN - Export functions

If you want to analyze the raw data with your own software, we recommend to use the option IDS2ASC or IDS2BIN. The original InnomicDataStream (IDS) format for the InnoMaster Replay not only contains the raw data, but also many other pieces of information, for instance the wall clock time valid during the measurement, your notes etc. By means of the option IDS2ASC, the InnoMaster Replay extracts the pure measurement data and saves it in ASCII text format. Now the data can be indicated with an arbitrary text editor or it can be further processed with your own software. In contrast, the option IDS2BIN exports the measurement data in binary format, which allows more compact files than in text format.



FRep - Free Replay

The complete off-line analysis of the InnoMaster Replay is available for you without extra charge if the same InnoBeamers are connected to the PC at both times, during measurement and off-line analysis. By means of Free Replay, that is not necessary. You can send the files with the raw data, the recipient downloads the free VibroMatrix software and can analyse the raw data. That is how you achieve an excellent team work between the field measurement staff and analysis team in your home company.

Free Replay means: Arbitrarily many persons at arbitrary locations at arbitrary times can replay and analyse the recorded raw data with the InnoMaster Replay. Without the need to invest a single cent for measurement equipment. Thus, you multiply the advantages of VibroMatrix.

For analysis, the instruments which were licensed during data recording are available.

