

Episode 8: Alarm function and measurement data transmission

So far, measurement data was transmitted to the instruments and the measurement results were displayed there.

For a clearer signaling of measurement results or transmission over long distances, the event messengers are available now.

Overview

Instruments alarm by event messengers:

- by means of an extra display on the screen
- by e-mail to the other end of the world
- by radio switch for instance to an alarm lamp

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.

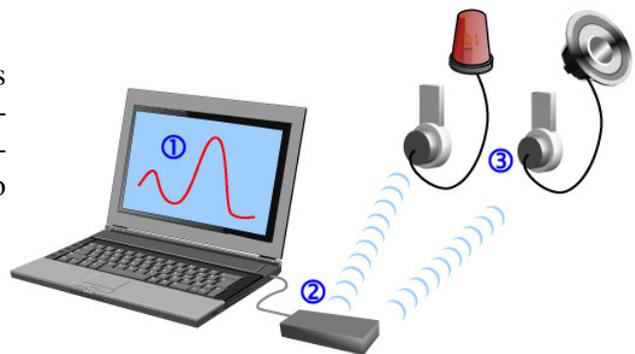


E-mail

Long-term measurements with quite few events are often to run unattended. Interesting events are still to reach the measurement staff. A suitable way of transmitting data in general is by e-mail. VibroMatrix transmits single values and status messages, measurement graphics and measurement files.

Radio switch

Instruments which are able to signal alarm states can be connected with a radio switch now and signal the status electrically. Thus you can for instance switch alarm lamps or horns in case of too high vibration values.



Make more out of your data - VibroMatrix 1.6