

VibSoft 5.1 Vibrometer Software

VibSoft is the software “brain” behind Polytec’s laser vibrometers, acquiring, displaying and processing measurement data in a user-friendly manner. It also enables the user to guide and control measurement tasks. The latest release, VibSoft 5.1, incorporates the most recent recommendations of the vibrometer user community leading to improved functionality and performance.

How can you benefit from the latest innovations?

Polytec will design your personal software maintenance plan entitling you to receive your copy of the latest release.

Further information

Please consult the documentation delivered with your software, including release notes, for a detailed description of

- further improvements
- hardware requirements and compatibility
- supported software interfaces and bug fixes



New Features

- Extended UNDO / REDO in Acquisition Mode
- Calculation of Damping Values
- Differential cursor: frequency readout
- 64-bit support
- Compensation in Time Domain

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Setup, Measurement and Data Analysis

Datasheet



New Features in VibSoft 5.1

Extended UNDO / REDO in Acquisition Mode

UNDO is now available for acquisition and camera settings.



Your Benefit:

- Accelerates the setup process

Calculating the Damping Factor

For damping estimations the Q factor and Zeta are added.



Your Benefit:

- Easy determination of damping parameters

Differential Cursor: Frequency Readout

Frequencies are calculated from two cursors that can be positioned anywhere on a time trace.



Your Benefit:

- Quicker evaluation in time domain

Compensation in Time Domain

The propagation delay of the decoder relative to a reference channel is now compensated in time domain. In the past the compensation was only applied in the frequency domain.



Your Benefit:

- Timing between laser vibrometer and reference sensor can be used for analysis

64-bit Support

VibSoft is running as a 64-bit application in a 64-bit environment. This allows access to data from other 64-bit applications via Polytec File Access (PFA). Over 4 GBytes of RAM is used.



Your Benefit:

- Enhances speed for large data files
- Improved overall performance in acquisition and presentation modes

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