S²VIB

Software Solution
Vibration

VIBRATION CHECKS

EVALUATION OF VIBRATION LEVELS

S2-VIB is the intuitive software to analyze structural vibrations.

The software guides the user through the application of appropriate data processing methods and checks of vibration limits to assess the effects of vibrations on buildings that might affect serviceability or even cause damage to finishes. The analysis of vibration amplitude has several applications in the civil engineering field, including:

- The condition assessment of buildings located nearby construction sites;
- Checks of vibration levels induced on nearby structures by industrial facilities;
- Check of the isolation performance of industrial machines with respect to vibration transmission.

S2-VIB is a powerful and versatile software already compliant with relevant standards for the analysis of vibration effects on structures (UNI 9916, DIN 4150, BS 7385, SN 640312).

CODE COMPLIANT

USER-FRIENDLY INTERFACE

An intuitive interface guides the user through the entire analysis process from data input and selection of the relevant standard to the evaluation of the analysis results.

DATA FORMAT

Either acceleration or velocity time series can be processed. Data loading supports the most common file formats (*.tdms, *.lvm, *.csv, *.txt, *dxd).

STANDARD AND EVENT SELECTION

The software guides the user through the appropriate application of the selected standard and selection of events from the measured time histories. Moreover, it holds all the relevant signal processing tools for the analysis and characterization of vibration levels.

CHECK OF VIBRATION LEVELS

For each event and each measurement point, the software performs data processing and checks compliance with the threshold values specified by the selected standard.

TECHNICAL ASSISTANCE AND UPDATES

Technical assistance is available in Italian and English, via phone, e-mail or video call. Technical assistance and updates for one year are included for all licenses. Video tutorials are also available on the S2X YouTube channel.

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www.s2x.it

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