

DIGITAL INDUSTRIES SOFTWARE

Simcenter Anovis Software for industrial testing

Simcenter/AN-ELT.007/2023/20231207

Product Information Sheet

Summary

ANOVIS - Acoustic Noise and Vibration Signal analyzer is a comprehensive system for analysis and rating of the noise and vibration at the production line.

Simcenter Anovis Reworking System provides a tool for visualization of single measurement results at the repair station. Automatic visualization of single results driven by the station's PLC is possible via an additional Simcenter Anovis Test Bench Connect software (not part of AN-ELT-007)

BENEFITS

- Convenient presentation of Simcenter Anovis results in a stand-alone application
- Layout and content of visualization can be configured by mouse click
- pre-defined configurations can be used for different visualization tasks.
- Full functionality of the provided Simcenter Anovis Viewers included
- Includes all functions necessary for the visualization of Simcenter Anovis measurement results at the repair station

Testing aims to identify one or a combination of the following specific quality defects:

- assembly faults
- damage
- untypical noises or vibrations

The Simcenter Anovis Acoustic noise and vibration testing technology provides numerous technical opportunities, including:

- delivering an objective and reproducible test method,
- detecting faults that are not picked up by standard test-bench technology,
- enabling an assessment of the acoustic performance of the whole unit,
- providing fault diagnostics support (identification of defective components) and helping to improve overall process reliability).

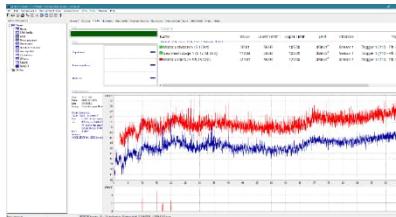
The main economic benefits include:

- objective monitoring of the factory-specific quality standard,
- fewer returns and customer complaints leading to greater trust, and
- increased efficiency thanks to automated fault diagnosis.

Anovis-Reworking System

Components

Simcenter Anovis Analyzer Software with functionality necessary to present the test results as numbers and simple curves and on-line statistics



Visualization

Results created from the Simcenter Anovis Signal Processing software can be displayed in the available viewers. The viewers contain comprehensive functionality to show single measurement results, like zoom, cursors, markers etc. The following data viewers are included

Alarm signs: Visualization of one or more metrics as color field in green/red/orange depending on the result including supplementary information.

Bar vector: Visualization of third octave spectra as bars including supplementary information about the displayed data and the test run.

Bitmap: Displays a user defined bitmap

Digits: Visualization of one or more metrics as digit in blue/red depending on the result including supplementary information about the displayed data.

Level meter: Visualization of signal levels and metrics as bar graph with limits

Lines: Visualization of vectors as line including supplementary information about the displayed data and the test run with optional tolerance window.

On-Line-Statistics: Visualization of one or more metrics as trend and histogram including assessment limits including supplementary information and statistics about the displayed data.

Table: Visualization of one or more metrics as chart with icons in green/red/orange depending on the result including supplementary information about the displayed data.