vAnalyzer

- **Frequency ranges 1Hz to 100 kHz**

- **4 to 64+ Channels**

- **1 to 8+ Generators**

- **AC, DC, IEPE**

- **Input Channels**
  - **24bit**
  - **±100mV - ±10V**

- **Sensor-Database**

- **FFT-Analyzer**
  - **Auto spectra**
  - **Cross spectra**
  - **FRF (H1,2,3)**
  - **Coherence**
  - **Etc.**

- **Data Recorder**
  - **RMS Historiy**
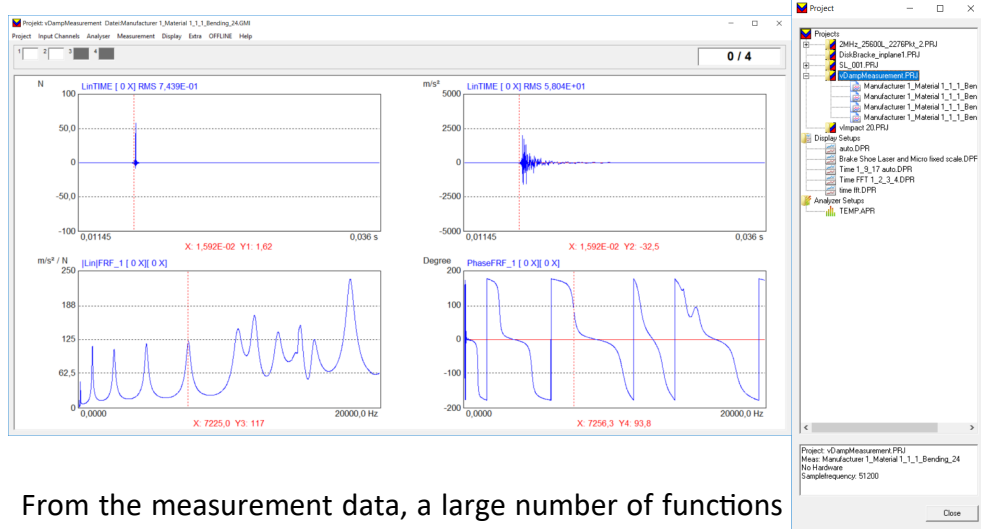 - **Triggered Recordings**

- **Free vAnalyzer Viewer**

- **Windows**

Signal Analyzer Software

In the **vAnalyzer** software, the settings for data acquisition, analysis functions and the displays can be set.

From the measurement data, a large number of functions can be calculated and displayed:

- Time weighted/unweighted
- Time KB-weighted
- RMS and Max/Min values
- FFT spectra
- Auto spectra
- Cross spectra
- FRF H1, H2, H3
- Coherence
- Cepstrum
- Hilbert
- RMS/Peak
- Etc.
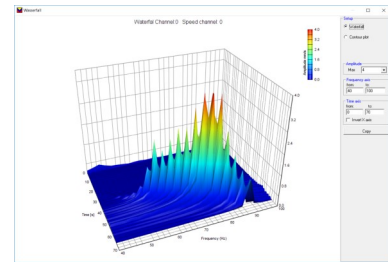
All display settings can be stored in files and easily accessed with a mouse click.

Hardware

The "universal interface" of the **vAnalyzer** makes it possible to use different data acquisition systems. Depending on the application, different hardware configurations are available

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Settings

The following settings:

- Input channels: Voltage range, AC, DC oder IEPE,
- Analyzer: Frequenc range, -resolution, FFT Window function
- Trigger: Level, Slope, Pre-and Post Trigger

can be set in clear dialogs and saved in profiles.

Sensor database

The *vAnalyzer* has a sensor database that can be adjusted by the user. The sensors can be assigned to the measurement channels using a drag-and-drop function.

Generator

With the generator module, the following signals can be generated and output as analog:

- Sine
- Noise
- Chirp
- Step Sine.

Data recorder

An important module of the *vAnalyzer* is the time data recorder function. With the data recorder, time data can be recorded without gaps over a longer period of time. Triggered recordings are possible with the *Record Watch* function.

Offline Evaluation

All data recorded with the time data recorder can be subsequently analyzed with the *vAnalyzer* like real-time data. The *vAnalyzer* can be freely copied and used without a hardware connection for analyzing and displaying measurement data.

Modal Interface

vAnalyzer includes an interface to the modal analysis software *vModal.*

Data Export

vAnalyzer data can be exported from one or more measurements as UFF or ASCII files with one mouse click.

Graphics Output

All graphics can be exported as WMF files, copied to the clipboard or sent directly to the printer.