

ArtemiS SUITE
Project

Code 50100

APR 100 Compact Analysis Project

The Compact Analysis Project of ArtemiS SUITE is ideally suited to provide a quick interactive classification of recordings via an easy-to-use and clean analysis user interface. This makes the Compact Analysis Project an optimal tool for tasks that need to be completed with a few clicks.

OVERVIEW

APR 100 Compact Analysis Project

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The Compact Analysis Project is suitable even for less experienced users and optimized for the simple assessment of a recording using up to two analysis results or for direct A/B comparisons.

This project is designed with a focus on easy operation. Without complicated configuration of diagrams and analyses, results are displayed with a few clicks or at a single click of a button, enabling users to quickly evaluate their recordings.



KEY FEATURES

Simple procedures to achieve analysis results

Minimalistic, straightforward interface

Data overview in the diagrams

- › Mark limits can be edited
- › Single-value results can be determined for any diagram section

Common analyses with a reduced set of configuration options

- › FFT vs. Time, FFT (average), FFT vs. RPM
- › Level vs. Time, Level vs. RPM
- › Loudness vs. Time, Loudness vs. RPM
- › 3rd Octave Spectrum (FFT)
- › Order Spectrum vs. RPM
- › Order Level vs. RPM
- › Sharpness vs. Time, Sharpness vs. RPM

Additional tools

- › Overlay of tolerance schemes
- › Display of single-value results in a table
- › A-weighting of analysis results for all sound channels

Playback of the selected HDF file via the Player

Export as image, PDF, PowerPoint, or as a Report (APR 020 is required)

APPLICATIONS

- › Fast data evaluation in quality control, for example
- › Easy-to-use and interactive troubleshooting
- › Easy A/B comparisons
- › Simple, fast tolerance checks

DETAILS

The user interface of the Compact Analysis Project is optimized for the simple assessment of a recording using up to two analysis results. Also the direct A/B comparison of two recordings each in one diagram is intended as well as, if required, the simultaneous display of up to six recordings.

Easy operation

The Compact Analysis Project is designed for sound analysis after test drives or during quality control on a test bench, for example. All commands are accessible via the large buttons in the toolbar or via keyboard shortcuts, which ensures easy operation even in mobile use.

For example, users can drag and drop an HDF file from the memory of SQuadriga III, SQobold, or from the HEAD Navigator into a diagram to see the analysis result immediately.

Time Signal Representation

By default, a simplified preview of the time signal course is displayed at the top. Among other things, this can be used to change the playback position by clicking with the mouse as well as for the adjustment of the mark limits.

Analyses

A total of twelve different analyses are available. Psychoacoustic analyses (loudness and sharpness) are included as well as FFT, order, octave or level analyses. Users get the results in two analyses, displayed one below the other.

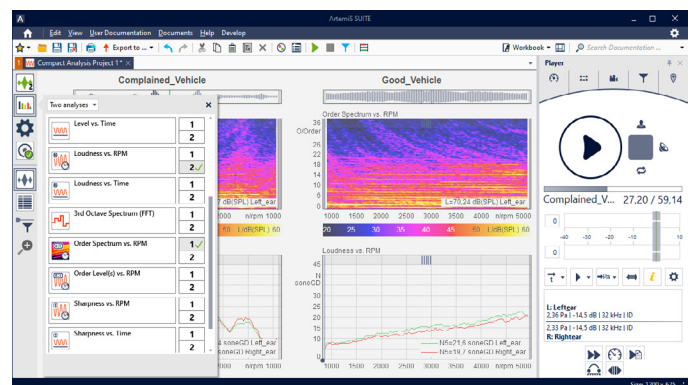
Analysis results of up to six data files can be represented in a single diagram.

A/B comparisons

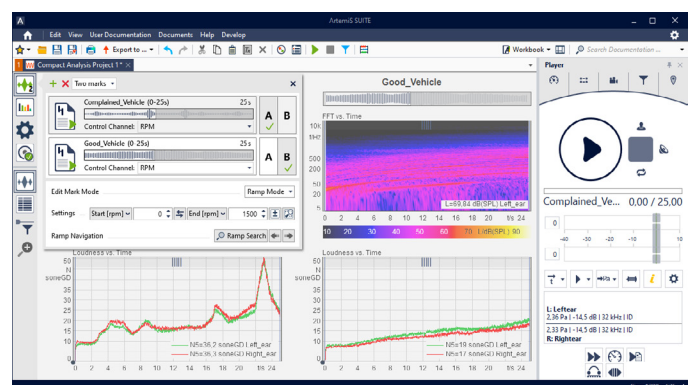
The Compact Analysis Project is ideal for a direct A/B comparison of recordings using different analyses.



Time Signal Representation



Analyses



A/B comparison of two recordings

Single values table

The single values table displays all single values results, the mark name, the analysis name, the channel name, and the default single value of the particular analysis each in one column.

Redundant information are summarized as far as possible in order to ensure that important information remains clearly visible and relevant differences can be easily identified.

Tolerance schemes

For each 2D analysis, a tolerance scheme can be displayed. Users can specify an existing tolerance scheme so that all curves contained in the tolerance scheme file are displayed. The analysis results will be checked for the compliance of the defined first upper and the first lower limit curves.

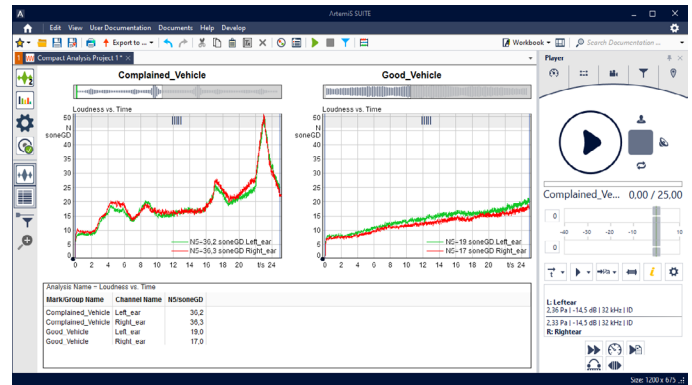
In the single values table an additional column will be displayed with data about the maximal approach to an unviolated limit curve or the corresponding maximal exceedance respectively undercut. In addition, the value of the particular channel at this position will be displayed.

ArtemiS SUITE extension options

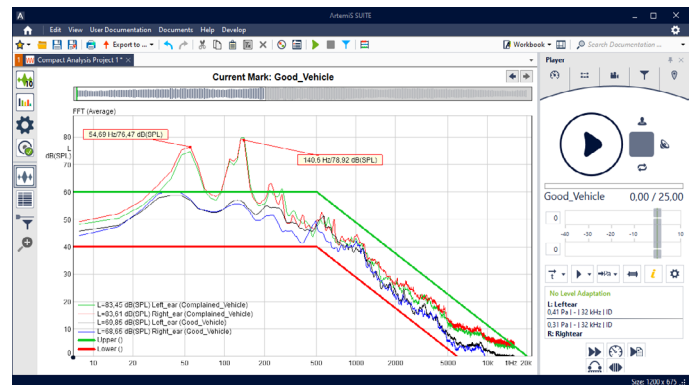
ArtemiS SUITE provides several extension options, such as the Recorder (APR 040 is required) and the Basic Decoder (ASP 801 is required), which can be used to record sound events and to extract pulse or digital bus signals as analog channels.

Using Playback Filters (APR 110 is required), time signals can be filtered quickly and conveniently.

The results of Compact Analysis Projects can be exported as Reports (APR 020 is required) at the push of a button.



Single values table



Tolerance scheme

Required: APR 000 Framework (Code 50000)



Contact Information

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