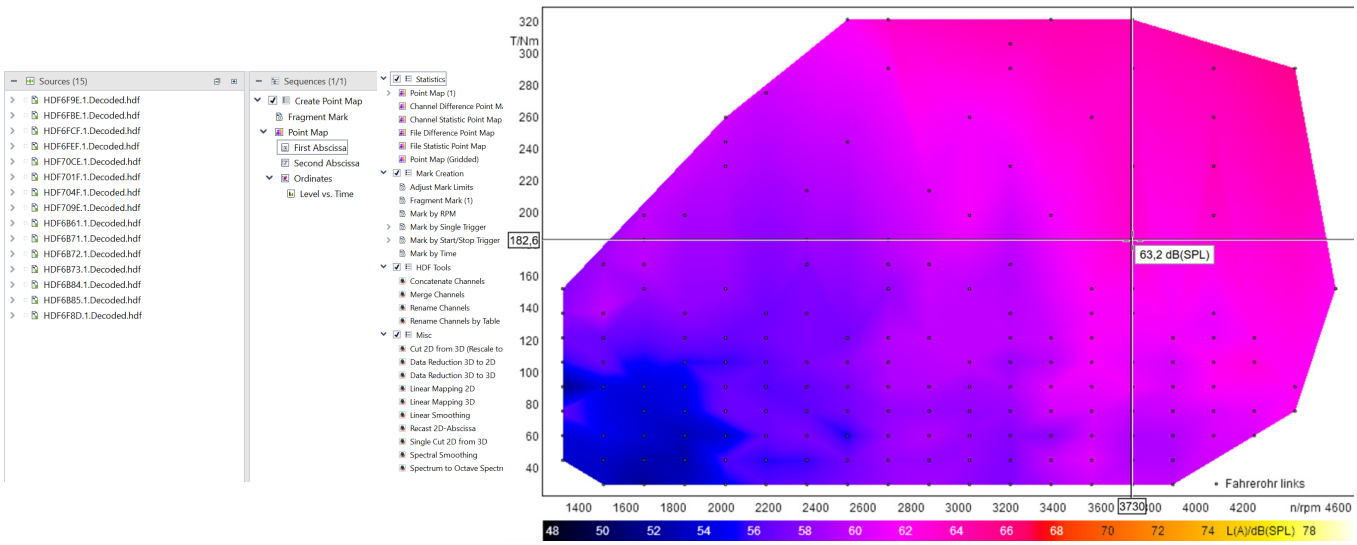
DATA SHEET



ArtemiS SUITE
Signal Processing

Code 51302

ASP 302
Data Preparation

Data Preparation of ArtemiS SUITE enables direct integration of different processes for measurement data preparation in multiple projects.

OVERVIEW

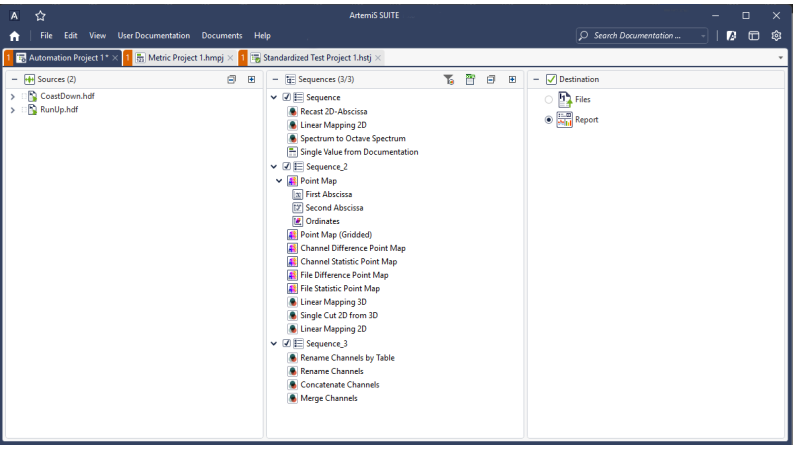
ASP 302
Data Preparation

Code 51302

Data Preparation provides multiple processes for measurement data preparation that can be integrated into sequences of Automation Projects (APR 050 is required), Standardized Test Projects (APR 220 is required), and Metric Projects (APR 570 is required). In Pool-Projects (APR 010 is required), additional processes are made available.

Integrating additional processes into the projects enables the combination of various measurement data preparation processes with other analysis and processing tasks.

In the Pool Project, the "Single Value from Documentation" analysis and, for 2D analysis data, abscissa conversion are enabled. To display Point Maps, the Report (APR 020) or the Comparison Report Project (APR 021) is required.



KEY FEATURES

- Point Map
- Point Map (Rasterization)
- Channel Difference (Point Map)
- Channel Statistics (Point Map)
- File Difference (Point Map)
- File Statistics (Point Map)
- Spectrum to Octave Spectrum
- Concatenate Channels
- Merge Channels
- Rename Channels
- Rename Channels by Table
- Cut 2D from 3D
- Cut 2D from 3D (Rescale to Hz)
- Single Value from Documentation
- Linear Mapping 2D
- Linear Mapping 3D
- Recast 2D Abscissa

APPLICATIONS

- Creation and execution of processes for measurement data preparation in multiple projects

DETAILS

PROCESSES IN ASP 302

POINT MAP

Graphical representation of a three-dimensional point cloud; typically depicting a single value as a function of two reference quantities

POINT MAP (RASTERIZATION)

Process for data reduction of a point map data set

CHANNEL/FILE DIFFERENCE (POINT MAP)

Difference formation (channels/files) from multiple point map data sets

CHANNEL/FILE STATISTICS (POINT MAP)

Statistical processing (channels/files) of multiple point map data sets

SPECTRUM TO OCTAVE SPECTRUM

Conversion of any spectrum into a 1/n octave spectrum

CONCATENATE CHANNELS

Concatenation of channels from similarly structured data sets

MERGE CHANNELS

Merging of channels from multiple data sets

RENAME CHANNELS

Subsequent renaming of channels

RENAME CHANNELS BY TABLE

Subsequent renaming of channels using a table

CUT 2D FROM 3D

Extraction of two-dimensional curves from a three-dimensional data set

CUT 2D FROM 3D (RESCALE TO HZ)

Extraction of two-dimensional curves from a 3D data set, which are then displayed over a frequency axis

SINGLE VALUE FROM DOCUMENTATION

Use of a numerical value from the User Documentation as a single value

LINEAR MAPPING 2D

Simple linear mapping of 2D analysis data to 2D analysis data

LINEAR MAPPING 3D

Simple linear mapping of 3D analysis data to 3D analysis data

RECAST 2D ABSCISSA

Conversion of the abscissa of a 2D data set

AVAILABLE PROCESSES

Automation Project

MEASUREMENT DATA PROCESSING

- Concatenate Channels
- Merge Channels
- Rename Channels
- Rename Channels by Table

STATISTICS

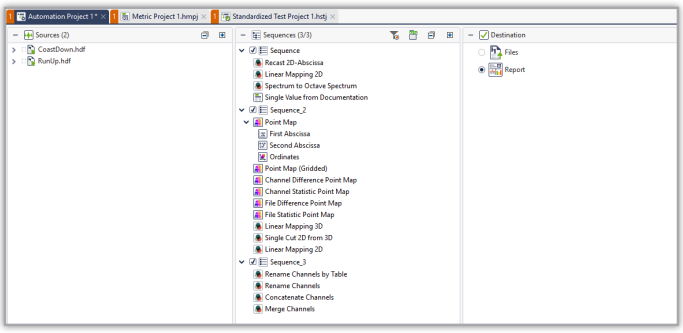
- Point Map / (Rasterization)
- Channel/File Difference (Point Map)
- Channel/File Statistics (Point Map)

SINGLE VALUES

- Single Value from Documentation

MISCELLANEOUS

- Cut 2D from 3D
- Cut 2D from 3D (Rescale to Hz)
- Recast 2D Abscissa
- Linear Mapping 2D
- Linear Mapping 3D
- Spectrum to Octave Spectrum



Standardized Test Project

MEASUREMENT DATA PROCESSING

- Concatenate Channels
- Merge Channels

STATISTICS

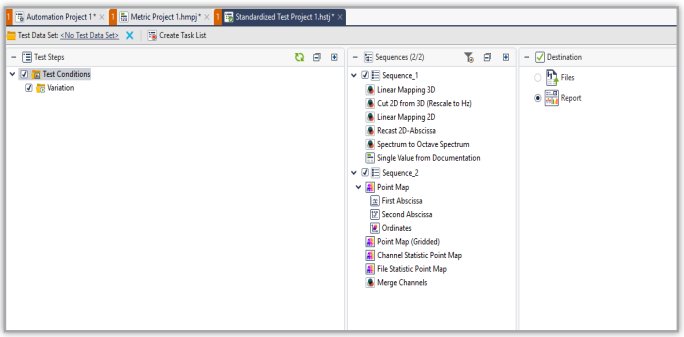
- Point Map / (Rasterization)
- Channel/File Statistics (Point Map)

SINGLE VALUES

- Single Value from Documentation

MISCELLANEOUS

- Cut 2D from 3D
- Cut 2D from 3D (Rescale to Hz)
- Recast 2D Abscissa
- Linear Mapping 2D
- Linear Mapping 3D
- Spectrum to Octave Spectrum



Metric Project

MEASUREMENT DATA PROCESSING

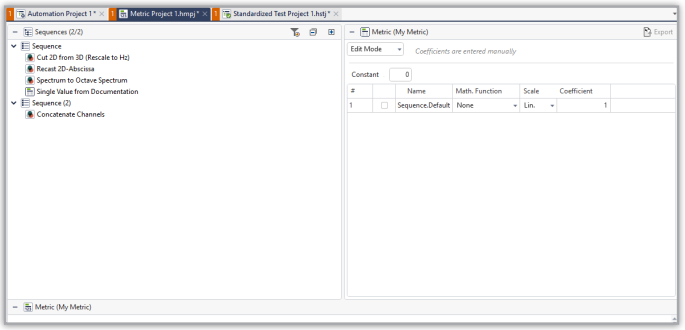
- Concatenate Channels

SINGLE VALUES

- Single Value from Documentation

MISCELLANEOUS

- Cut 2D from 3D
- Cut 2D from 3D (Rescale to Hz)
- Recast 2D Abscissa
- Spectrum to Octave Spectrum



LICENSES AND OPTIONAL FEATURES

Requirements

Code	Product Name	Description
50000	APR 000 APR Framework	Basis of ArtemiS SUITE
51302	ASP 302 Data Preparation	Creation and execution of processes for measurement data processing in multiple projects
At least one of the core projects of ArtemiS SUITE—Pool Project, Automation Project, or Standardized Test Project—or the Metric Project is required and must be licensed.		

Optional Features

Code	Product Name	Description
50010	APR 010 Pool Project	Core project of ArtemiS SUITE: interactive operation, user-friendly design, and data processing based on cross-product logic
50050	APR 050 Automation Project	Core project of ArtemiS SUITE: one-time definition of the processing steps, followed by automated execution and repetition for all subsequent data
50220	ASP 220 Standardized Test Project	Core project of ArtemiS SUITE: measurement of multiple operating conditions of objects using the Recorder and analysis of the data using different methods
50570	APR 570 Metric Project	Creation of quality metrics by correlating listening test results with acoustic signal analyses
50020	ASP 020 Report	Core element of ArtemiS SUITE: display of filtered, analyzed, and statistically processed input signals in an individual Report
50021	APR 021 Comparison Report Project	Project of ArtemiS SUITE: analysis and comparison of data using batch processing in a clearly arranged Report

Further modules of ArtemiS SUITE (see ArtemiS SUITE Overview data sheet)

HEAD acoustics

Contact Information

Ebertstrasse 30a
52134 Herzogenrath, Germany
Phone: +49 2407 577-0
E-Mail: sales@head-acoustics.com
Website: www.head-acoustics.com