

DIGITAL INDUSTRIES SOFTWARE

Simcenter Testlab Run Comparison App

Simcenter/SM-CMP.01/2406/20240603

Product Information Sheet

Summary

Noise and vibration measurements put ever more pressure on today's engineers and technicians. Customers demand quieter, more comfortable and longer-lasting products. Governments impose increasing regulations on noise levels and eco-sustainability. At the same time, reduced budgets and increased efficiency targets require more tasks to be done in a shorter time.

The portability and ease of use of the Simcenter SCADAS XS maximizes testing efficiency. The system opens up a whole new range of possibilities to engineering teams in noise and vibration testing.

This environment has great impact on engineering departments within companies. Faced with the demand to perform more tests with less people in less time and with reduced budgets, versatility is a key requirement for these departments. Test equipment needs to fulfill the same requirements in order to be justifiable for use by test engineers and technicians.

BENEFITS

- Ensure data repeatability
- Ensure all data are within tolerances
- Both for expert and non-expert users
- Clearly visible graphics in operational conditions
- Calibrated and equalized audio replay and filtering

FEATURES

- Can be used immediately after a measurement performed with Simcenter Testlab Scope App
- Visualize any run measured using Simcenter SCADAS XS



Data Repeatability

The Simcenter Testlab Run Comparison App is a dedicated android app that allows comparing data measured with Simcenter SCADAS XS. It allows to compare functions and drives the user to compare only relevant data and adding comments to any run, delivering a complete test campaign management.

Features

- Android based app for monitoring and control of XS settings and measurements
- Visualize, edit and/or add comments to any run
- Possibility to use reference curves
- Delete any existing run
- Data replay and filtering through Simcenter 3D Binaural Headset

- Playback equalization
 - Linear
 - Free field
 - Diffuse field
 - Independent of direction

Function comparison

- FFT
- Octaves
- Single Orders
- Orders
- Loudness in function of time
- Specific Loudness
- Articulation Index
- Sound Pressure Level

Product status

- Available on Android 7 and higher with recommended Android tablet
 - Samsung Tab Active3 running Android 13
 - Huawei MediaPad M3 running Android 7
 - Samsung Tab S5e running Android 12
- Available license configuration: Node-locked only