

EDM VCS UI Overview

For self-guided learning and troubleshooting the user guide within EDM applications is a great tool

[User Guide](#)

Topics

[New Test Wizard](#)

Includes physical testing type and setup information

[Configuration](#)

Includes testing configuration & control as well as trigger action and test reporting

[Hardware](#)

Includes Input channel & Spider System Setup

[Display](#)

Test drive and control profile as well as Time and Frequency domain results

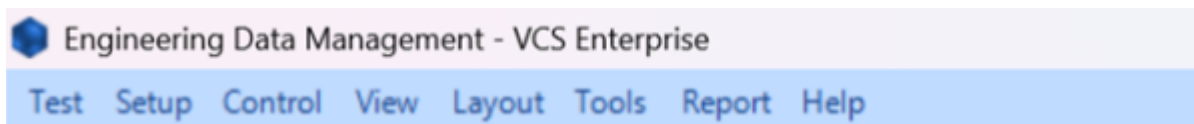
[Signals](#)

Includes measurement and data collection setup and processing/filtering

Interface

Ribbon

Test



Similar to a "file" tab commonly found in other software. The test dropdown box gives options to create new tests, open previous tests, import test files, save and export tests.

Setup

Provides much of the same accessibility as the ribbon. Select Hardware Test Configurations Signals

and Input channels will be discussed in the ribbon. The Test Sequence tab allows the user to customize testing options related to running multiple sequential tests. Black Box mode allows for multiple tests to be uploaded to the spider front-end so that they can be conducted when offline in the future. Additionally, EDM extensions are found in the Setup tab.

Control

Gives the user options related to conducting and saving the tests.

View

Gives users available display options. Creating and saving windows default displays and a few unique commands. Search resonance is useful for tests such as sine sweep and broadband random testing. Lissajous plots can be useful plotting two periodic signals against each other.

Layout

Organizational tools for displaying data, tiling the plots to the desired sections as well as providing functionality for exporting and importing tabs.

Tools

Tools menu gives access to hardware testing options and configurations as well as global settings menu and User notes.

Information is additionally covered in [Hardware](#)

Report

Generates report of selected results or parameters, a word document with the relevant information will open and save.

Reports can also be generated based through the run schedule

Help

Very useful tool for contacting support staff and providing necessary information.

[CI Tech Support](#)

Top Toolbar



Hardware

Displays available devices for connection & relevant connection settings



Config

Connects to testing configurations menu; the same destination as through the control panel and Setup → Test Configuration

Signals

Further explained in testing signals setup [Signals](#)

Inputs

Inputs menu allows toggling of channels and configuration to meet sensor requirements

| Actions | On/OFF | Channel type | Location ID | Measurement quantity | Engineering unit | Sensitivity | Input mode | Sensor | Max. sensor range | High-pass filter Fc (Hz) |
|---------|--------|--------------|-------------|----------------------|------------------|--------------|---------------|--------|-------------------|--------------------------|
| 1 | On | Control | Ch1 | Acceleration | | 101.1 (mV/g) | EPE | N/A | 20 (V) | 2 |
| 2 | On | Monitor | Ch2 | Acceleration | | 100 (mV/g) | EPE | N/A | 20 (V) | 2 |
| 3 | Off | Monitor | Ch3 | Acceleration | | 100 (mV/g) | AC-Single End | N/A | 20 (V) | 2 |
| 4 | Off | Monitor | Ch4 | Acceleration | | 100 (mV/g) | AC-Single End | N/A | 20 (V) | 2 |
| 5 | Off | Monitor | Ch5 | Acceleration | | 100 (mV/g) | AC-Single End | N/A | 20 (V) | 2 |
| 6 | Off | Monitor | Ch6 | Acceleration | | 100 (mV/g) | AC-Single End | N/A | 20 (V) | 2 |
| 7 | Off | Monitor | Ch7 | Acceleration | | 100 (mV/g) | AC-Single End | N/A | 20 (V) | 2 |
| 8 | Off | Monitor | Ch8 | Acceleration | | 100 (mV/g) | AC-Single End | N/A | 20 (V) | 2 |

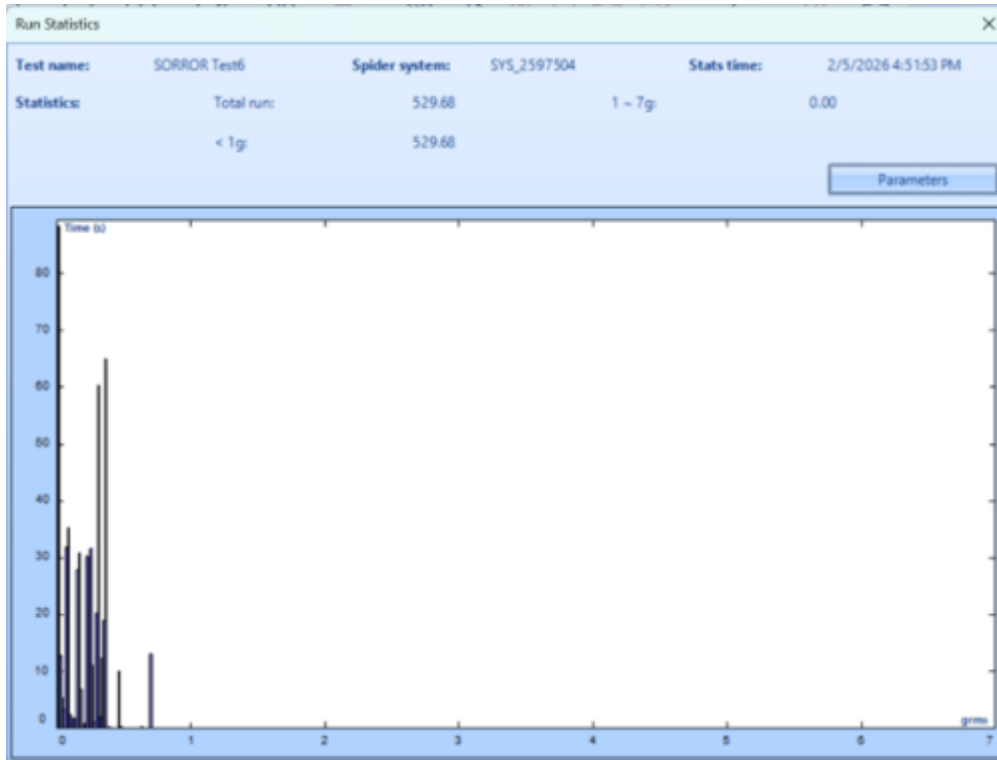
Recent Test Tab

New Test Opens New Test Wizard will send user back to selection screen including testing type and shaker arrangement.

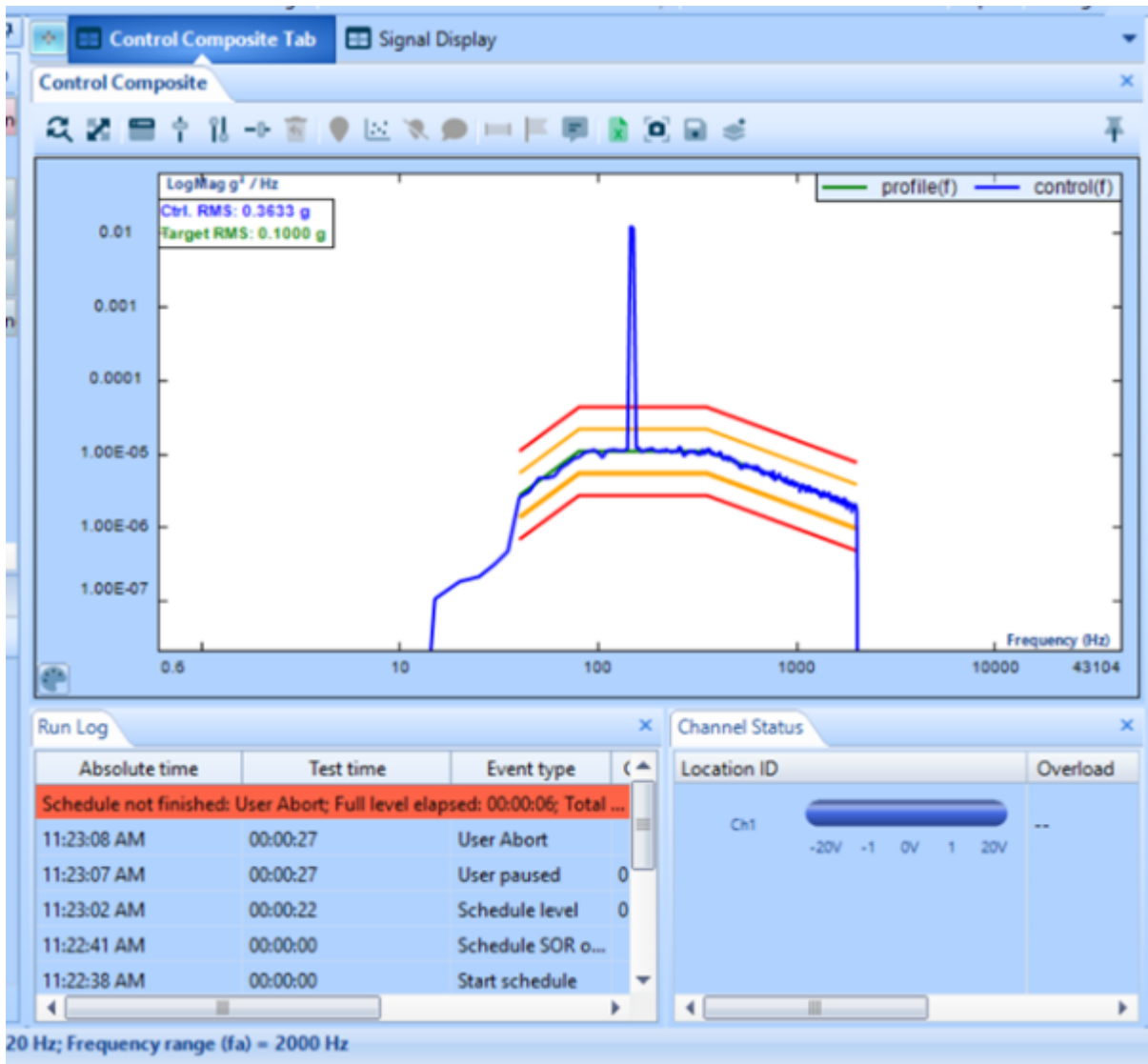
Open Test Brings up display with previous tests conducted.

| Test name | Description | Test type | Number of run folders | Run times | Created time | Last run time | Storage size | Stats |
|---------------------|-------------|------------------|-----------------------|-----------|-----------------------|-----------------------|--------------|-------|
| Random Test17 [...] | | Random | 1 | 0 | 2/5/2026 4:40:15 ... | N.A | 0 Bytes | Stats |
| Random Test16 | | Random | 7 | 6 | 2/4/2026 12:48:24 ... | 2/4/2026 5:04:13 ... | 1.27 MB | Stats |
| Random Test15 | | Random | 5 | 4 | 2/4/2026 9:16:49 ... | 2/4/2026 9:23:32 ... | 1.62 MB | Stats |
| SORROR Test7 | | Random on Ra... | 1 | 0 | 2/3/2026 9:57:36 ... | N.A | 0 Bytes | Stats |
| Random Test14 | | Random | 1 | 0 | 2/3/2026 9:11:49 ... | N.A | 0 Bytes | Stats |
| Random Test13 | | Random | 1 | 0 | 2/2/2026 1:58:04 ... | N.A | 0 Bytes | Stats |
| SORROR Test6 | | Random on Ra... | 16 | 15 | 1/29/2026 10:19:1... | 1/29/2026 11:22:4... | 20.41 MB | Stats |
| SORROR Test5 | | Random on Ra... | 9 | 7 | 1/29/2026 10:05:0... | 1/29/2026 10:18:2... | 2.96 MB | Stats |
| Sine Sweep dbvib9 | | Swept Sine | 1 | 0 | 1/29/2026 9:50:58 ... | N.A | 0 Bytes | Stats |
| Sine Sweep dbvib8 | | Swept Sine | 3 | 2 | 1/29/2026 9:33:29 ... | 1/29/2026 9:36:45 ... | 2.00 MB | Stats |
| Random Test12 | | Random | 1 | 0 | 1/29/2026 9:28:43 ... | N.A | 0 Bytes | Stats |
| MIMOSine1 | | MIMO Swept Si... | 2 | 1 | 1/27/2026 1:51:57 ... | 1/27/2026 1:57:41 ... | 1021.81 KB | Stats |
| Random Test11 | | Random | 1 | 0 | 1/27/2026 11:12:0... | N.A | 0 Bytes | Stats |
| Random Test10 | | Random | 1 | 0 | 1/27/2026 11:00:4... | N.A | 0 Bytes | Stats |
| Random Test9 | | Random | 1 | 0 | 1/26/2026 10:01:4... | N.A | 0 Bytes | Stats |

Tests can then be directly exported or opened from this menu. Double click to open or select test before clicking export. Test statistics can be selected from the right-most column corresponding to each test.



Signal Display Window



VCS UI Signals Display

The signal display window is useful for live control monitoring, data acquisition in real time, comparing data to industry standards, processing data to fit your testing requirements, report generation and more.

From: <https://help.go-ci.com/> - **Crystal Instruments Help**

Permanent link: <https://help.go-ci.com/vcs:ui-overview?rev=1771433517>

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