

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; [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		<input checked="" type="checkbox"/>	Control	Ch1	Acceleration		101.1 (mV/g)	EPE	N/A	20 (V)	2
2		<input checked="" type="checkbox"/>	Monitor	Ch2	Acceleration		100 (mV/g)	EPE	N/A	20 (V)	2
3		<input type="checkbox"/>	Monitor	Ch3	Acceleration		100 (mV/g)	AC-Single End	N/A	20 (V)	2
4		<input type="checkbox"/>	Monitor	Ch4	Acceleration		100 (mV/g)	AC-Single End	N/A	20 (V)	2
5		<input type="checkbox"/>	Monitor	Ch5	Acceleration		100 (mV/g)	AC-Single End	N/A	20 (V)	2
6		<input type="checkbox"/>	Monitor	Ch6	Acceleration		100 (mV/g)	AC-Single End	N/A	20 (V)	2
7		<input type="checkbox"/>	Monitor	Ch7	Acceleration		100 (mV/g)	AC-Single End	N/A	20 (V)	2
8		<input type="checkbox"/>	Monitor	Ch8	Acceleration		100 (mV/g)	AC-Single End	N/A	20 (V)	2

Checklist

Gives user overview of test setup and pre-check parameters. Checklist will automatically be displayed after clicking run as a final confirmation before test run schedule begins.

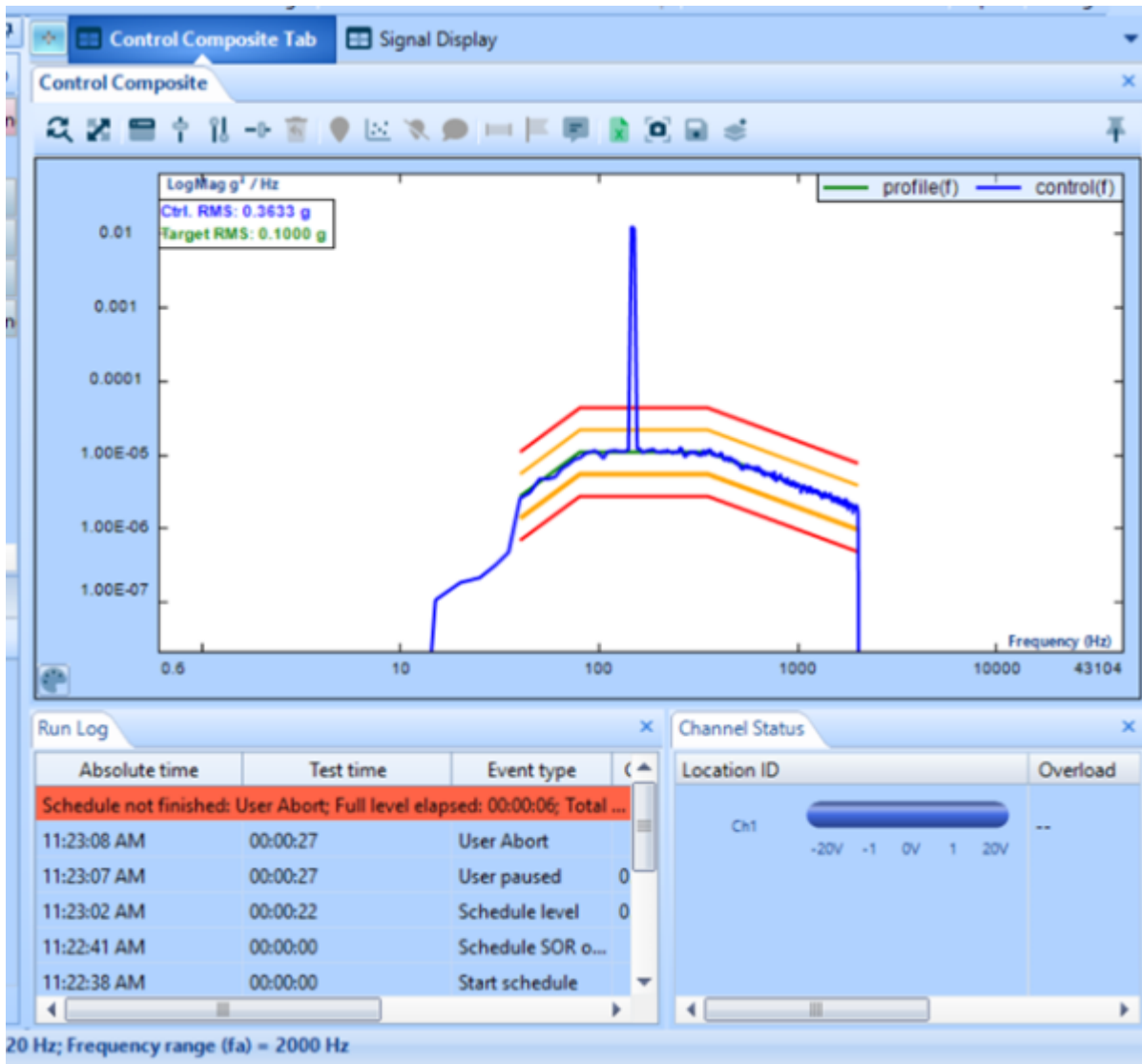
Recent Test Tab & Signal Streams

Further discussion of Test & signal tabs within [VCS UI Signals Tab](#)

Recent Tests Terminal: Tests can be opened or created from this page and quickly accessed through recent test display. Test groups allow additional functionality for running sequential tests.

Signal Terminal: Contains all active signals within testing, including block and processed data.

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=1771445821>

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