

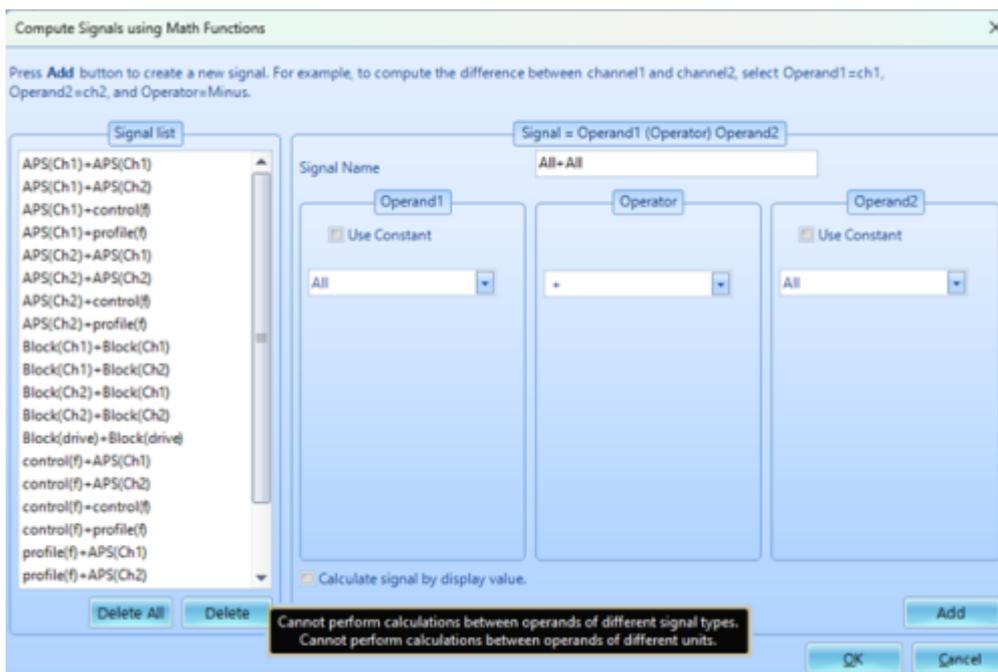
VCS UI Signals Tab

Top Toolbar -> Signals

Signals gives user control over settings related to display, appearance, data recording/saving and processing options.

PC Math Signals

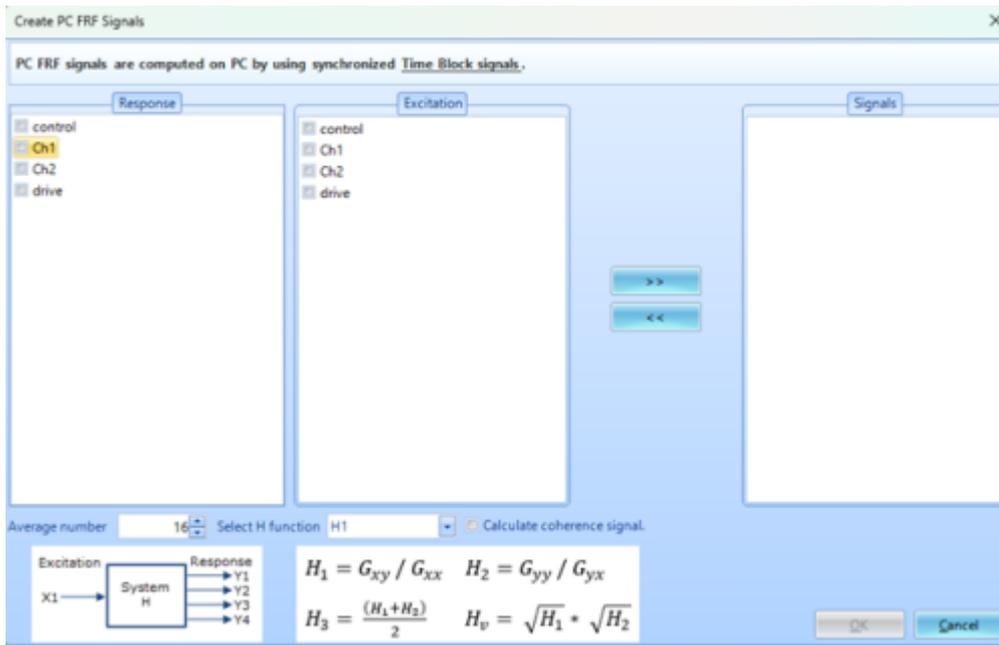
Signals will display once entered Compute Signals using Math Functions tab and selecting Add



Operand 1 & 2 can be any time stream data input or a constant value of user selected choice. Operator options are limited to four basic functions: +, -, * and /.

PC FRF Signals

Similar to PC Math signals in selection style.



PC FRF signals give user options to create transfer functions for desired input (response) and output (excitation) channels. Also allows for customization of FRF and coherence calculations.

Recent Test Tab

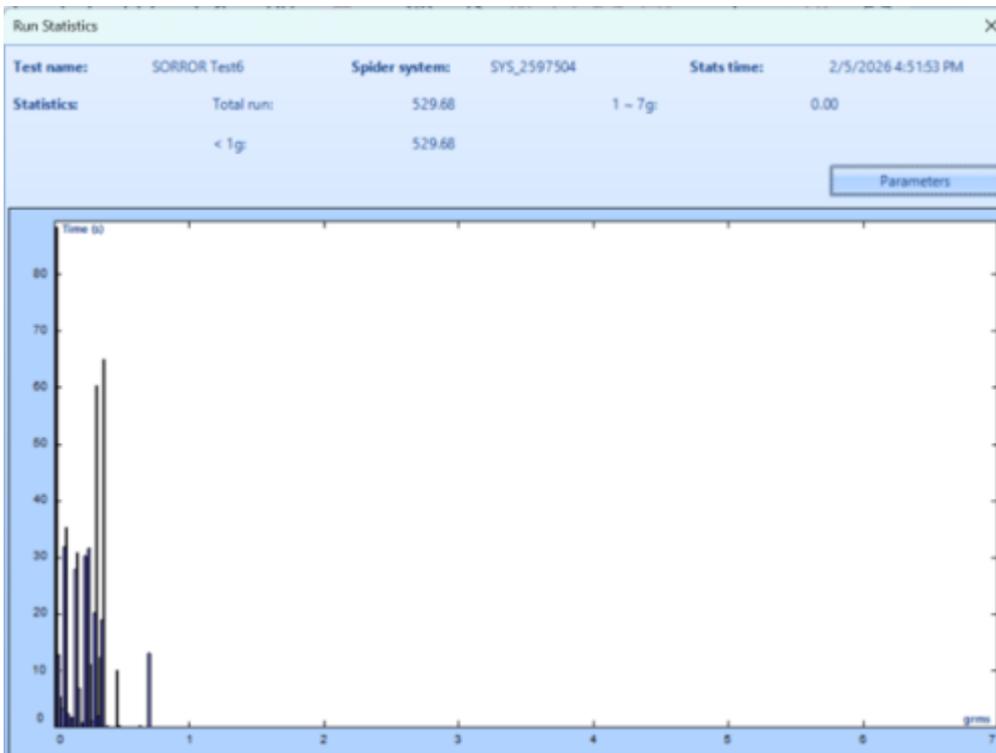
The image shows a software interface with two main panels. The top panel, titled "Recent tests", has a toolbar with "New", "Open", "Info", and "Test Group" buttons. It displays a tree view of test groups: "Shock6 [Shock]" (expanded), "System (SYS_2597504)", "Scene7 [Random]", "Shock5 [Shock]", "Shock4 [Shock]", and "Scene5 [Random]". The bottom panel, titled "Live signals", has tabs for "Live signals", "Run folders", and "Data files". It includes a "Search signals" input field and an "Edit" button. Below this, it shows a tree view of signal categories: "Time Streams" (with sub-items Ch1, control(stream), drive(t), profile(stream)), "Time Blocks" (with sub-items Block(Ch1), profile(t), HighAbort(t), LowAbort(t), control(t), noise(t), Block(drive), error(t)), "Auto-Power Spectra" (with sub-items profile(f), drive(f), control(f)), "FRF" (with sub-item hinv(f)), and "Time History" (with sub-items Hist_Control_Peak, Hist_Profile_Peak).

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.

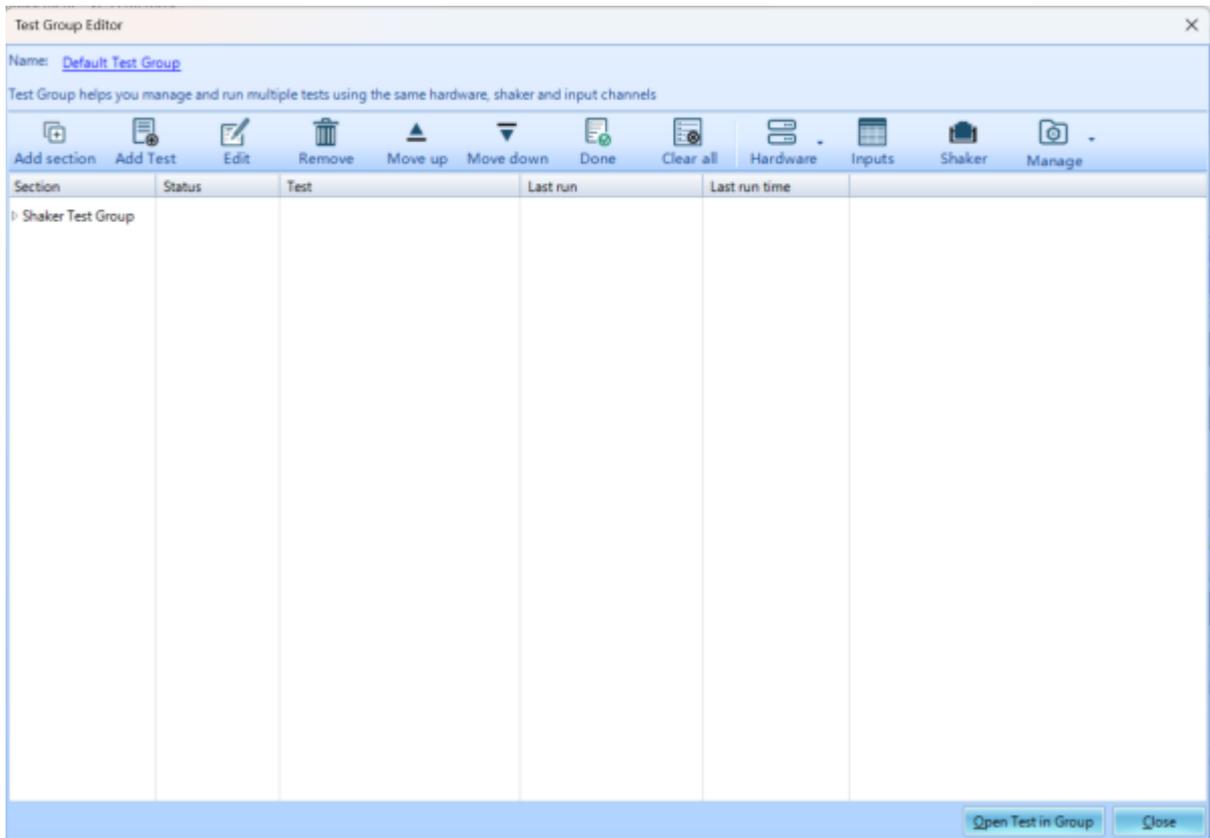
Test name	Description	Test type	Number of run folders	Run times	Created time	Last run time	Storage size	Stats
1 Random Test17 (...)		Random	1	0	2/5/2026 4:40:15 ...	N.A	0 Bytes	Stats
2 Random Test16		Random	7	6	2/4/2026 12:48:24 ...	2/4/2026 5:04:13 ...	1.27 MB	Stats
3 Random Test15		Random	5	4	2/4/2026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



Test group functionality gives user the ability to carry over testing configuration between tests. Inputs, profiles and additional settings are carried through group tests. No reconfiguration is required.

Test Group



Live Signal Tab

Live Signals will update in real time as testing is conducted. The time stream data will update continuously. The Block and frequency derived data will be updated as each new block is processed. For testing conducted with short block intervals this will be very similar to time stream data, but under long block collection testing parameters, the data can take several seconds to update. Run Folders show previous runs within testing setup. It will also include saved data and time history within the run folder. Data Files tab allows files and folders to be uploaded to the test. This can include timestream data from previous runs in common formats such as .txt, .csv, , .atfx and other common formats.

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

Permanent link: <https://help.go-ci.com/vcs:ui-overview:signals-tab?rev=1771442830>

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