



EDM 11.0

Engineering Data Management Software Release Notes

SPIDER VIBRATION CONTROL SYSTEMS (VCS)
MULTIPLE-INPUT MULTIPLE-OUTPUT VIBRATION CONTROL SYSTEMS (MIMO VCS)
DYNAMIC SIGNAL ANALYSIS (DSA)
POST ANALYZER (PA)
EXPERIMENTAL MODAL ANALYSIS (EMA)
REMOTE CONDITION MONITORING (RCM)
TEMPERATURE, HUMIDITY, VIBRATION (THV)

ANALOG
DIGITAL



ADM Messtechnik GmbH & Co. KG · Zum Wartturm 9 · 63571 Gelnhausen
Tel. (06051) 916557-1 · sales@adm-messtechnik.de · www.adm-messtechnik.de

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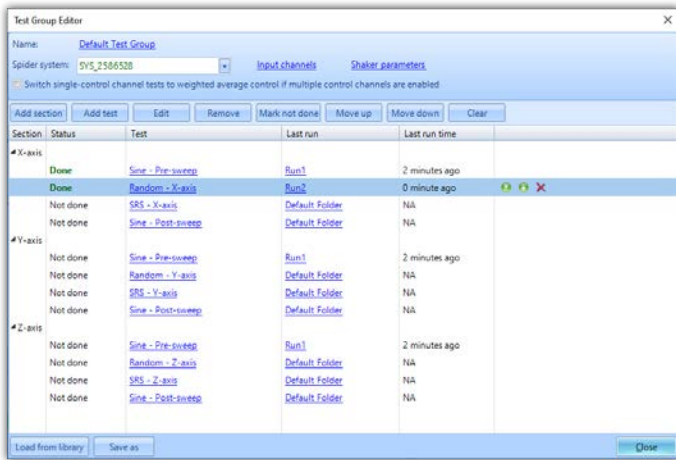


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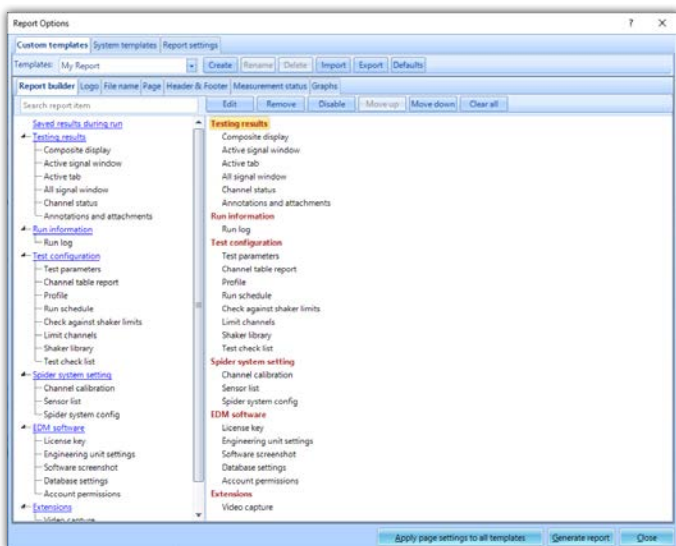
RELEASE HIGHLIGHTS

Test Group



- New organization feature for arranging a list of tests to be completed
- Group tests to different sections for different phases or test configurations
- Tests can be marked as completed or not by the operator
- “Input Channel” table and “Shaker Parameter” settings are shared and carried over between subsequent tests, when Test Group is enabled. Any change is applied to all tests in the group.

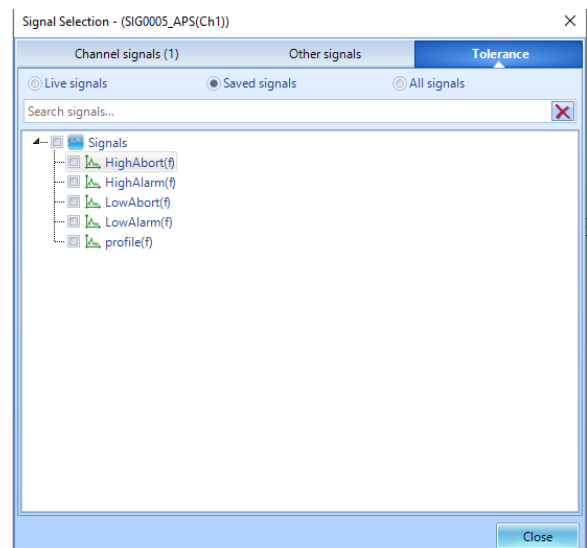
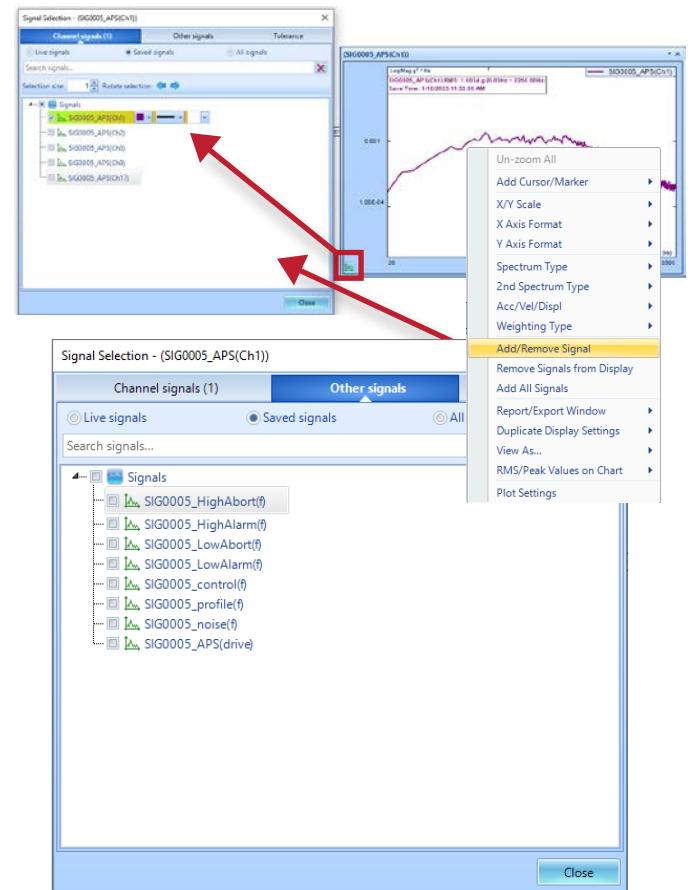
Report Builder



- Improved Report template system allowing further customization of report item content.
- The order of report items is customizable.
- Improved “Report this Run” capability to preview and use a preset Report template.
- Ability to report previous signals and test configurations.
- Ability to report saved signals of a selected run and test configurations.
- Click button to generate reports.

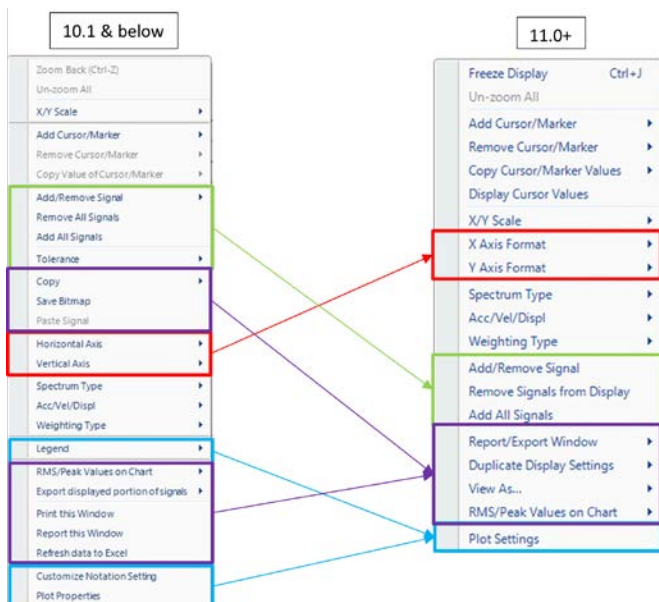
Signal Selection Redesign

An improved user interface allows users to select and configure signals through a signal selection window instead of a right-click menu. This update is part of the right-click plot menu redesign to declutter and improve UI navigation.

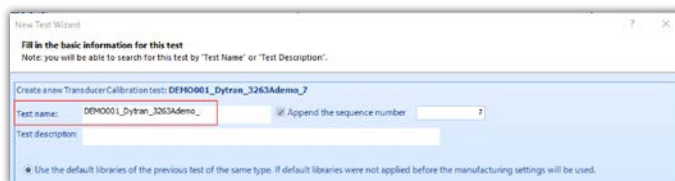
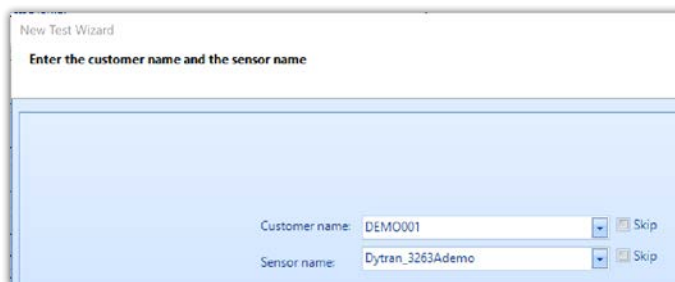


Right-click Plot Menu Window Redesign

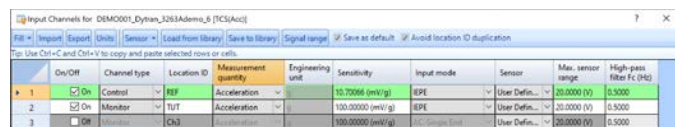
Improved the right-click Plot menu window by organizing buttons into groups. Users are provided with improved control to select and configure signals and plot settings.



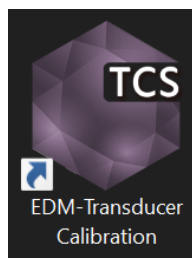
- Sensor and customer names can be included in the test name.



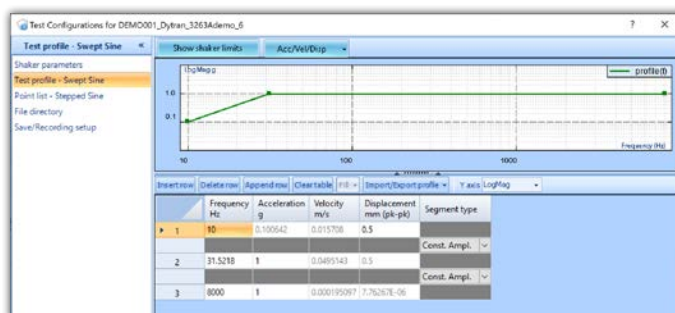
- Easy channel setup. Consistent with all EDM applications.



- Parameters of calibration
- Calibration Sensitivity setup
- Frequency Response measurement after calibration, available methods are Step Sine and Swept Sine.



- Configurable profile for Swept Sine FRF measurement



- Configurable frequency points for Step Sine FRF measurement

Test Configurations for DEMO001_Dytran_3263Ademo_6

Point list - Stepped Sine	Frequency (Hz)	Acceleration (g)
1	10	0.1
2	15	0.5
3	30	1
4	50	1
5	100	1
6	300	1
7	500	1
8	1000	1
9	3000	1
10	5000	1
11	8000	1

- FRF measurement graph



- Multi-test management. Each test can be for different sensor models.

Recent tests

New	Open	Properties	Delete
DEMO001_Dytran_3263Ademo_6			
System (SYS_2581120)			
MO6758_Dytran_3263A_5			
MO6758_Dytran_3263A_4			
MO6755_Dytran_3263A_			
MO6751_Dytran_3263A			

- Multi-run management. Each run can be for a different sensor of the same model.

Live Signals | Run Folders | Data Files

Run10	Jan 19, 2023 11-19-35
SIG0010	Jan 19, 2023 11-23-41
TimeHistory0042	Jan 19, 2023 11-19-56
SIG0009	Jan 19, 2023 11-19-50
TimeHistory0041	Jan 19, 2023 11-19-35
Run9	Jan 19, 2023 11-19-06
Run8	Jan 19, 2023 11-18-17
Run7	Jan 17, 2023 15-04-50
Run6	Jan 17, 2023 14-07-20
Run5	Jan 17, 2023 14-06-14
Run4	Jan 17, 2023 14-05-40
Run3	Jan 17, 2023 14-00-41
Run2	Jan 17, 2023 14-00-21
Run1	Jan 16, 2023 11-33-20
Default Folder	Jan 16, 2023 11-32-06

MAJOR IMPROVEMENTS

Report Feature Improvements

Report Headers are customizable. Two new options to hide or display information previously required in reports.

Text font

Font: Segoe UI Size 10.5 B I U A

Text

Page orientation

Portrait Landscape

Page size

Letter A4 B4

Pagination

Start each report item on new page

Put each display on new page

☒ Only display title, without descr

Page margins

Top (cm): 2.54

Bottom (cm): 2.54

Right (cm): 1.27

Left (cm): 1.27

Header from top (cm): 1.27

Display location

Top of report Below control composite Below all graphs

Customize measurement status

Status

Level Control peak/RMS Target peak/RMS Drive Pk

A/D

Acceleration Pk Velocity Pk Displacement Pk-Pk

Testing time

Total elapsed Full level elapsed Remaining time/pul Run start time Data measured at

Test parameters

Control strategy Lines DOF Average Overlap ratio Delta f

Frequency range Sigma clipping Variable sampling ra

Shaker parameters

Payload mass Force peak Min frequency Max frequency Acceleration peak/R Max velocity

Max displacement

- The variable sampling rate setting is included in reports.

Customize measurement status

Status: ☒ Level ☒ Control peak/RMS ☒ Target peak/RMS ☒ Drive Pk

AVD: ☒ Acceleration Pk ☒ Velocity Pk ☒ Displacement Pk-Pk

Testing time: ☒ Total elapsed ☒ Full level elapsed ☒ Remaining time/pul ☒ Run start time ☒ Data measured at

Test parameters: ☒ Control strategy ☒ Lines ☒ DOF ☒ Average ☒ Overlap ratio

☒ Delta F ☒ Frequency range ☒ Sigma clipping ☒ Variable sampling rate

Shaker parameters: ☒ Payload mass ☒ Force peak ☒ Min frequency ☒ Max frequency ☒ Acceleration peak/R

☒ Max velocity ☒ Max displacement

- The option to "Put each display on new page" is now functional for reports generated in Review/Compare mode.

Page orientation: ☐ Portrait ☒ Landscape

Page size: ☒ Letter ☐ A4 ☐ B4

Pagination: ☐ Start each report item on new page

☒ Put each display on new page

☒ Only display title, without descr

Page margins: Top (cm): 2.54, Bottom (cm): 2.54, Right (cm): 1.27, Left (cm): 1.27, Header from top (cm): 1.27

- Changed "All Views" to "All Tabs" for consistency.

Navigation

Search document: [D:]

Headings: Pages Results

1. Saved Results during Run

2. Active Signal Window

3. Active Tab

4. All Tabs

5. Channel Status

6. Run Log

7. Test Parameters

8. Input Channel Table

9. Setup Profile

10. Run Schedule

11. RMS Levels

12. Limit Channels

13. Shaker Parameters

14. Check list

All Tabs

(Ch1, Ch2, Ch3, Ch9, etc.[6])

Signal Display Improvements

Organized windows into new display tab

Layout Tools Report Help

New Tab New Tab Ctrl+Shift+A

Close Tab

Import Tabs (Add) Ctrl+Shift+O

Import Tabs (Override)

Export Tabs Ctrl+Shift+S

Dock All Windows

Undock All Windows

Auto-p

Tab Layout Setup

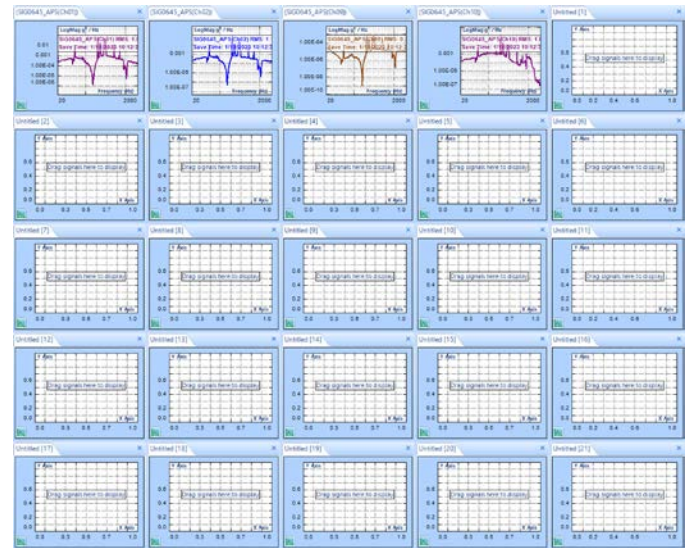
☐ Live signals ☒ Saved signals: SIG0645

☐ Stack plot ☒ One signal per plot

Column number: 5

Row number: 5

OK Cancel



Compare 3 sets of signals in Compare Mode

In Compare Mode, pin the selected signal in the display and select another signal. The same signal for up to 3 files or runs can be compared.



Additional Peak Detection Criteria

- Peaks must be greater than the peak/horizontal cursor.
- Hides or displays the marker annotation for a cleaner signal display.
- Set the minimum peak width and minimum distance between peaks.

Global Settings (applicable to all tests)

Signal report

Time format: RMS display setup Plot format Color Markers Gridlines Global notation Others

Peak marker

Marker count: 4

Sort by: Y-axis values

Apply to frequency signals only

☒ Peaks must be greater than the peak cursor

☒ Sync peak cursors for the same signal type

☒ Hide marker annotation

Minimum delta F between peaks (Hz): 5.00

Minimum peak width (Hz): 10.00

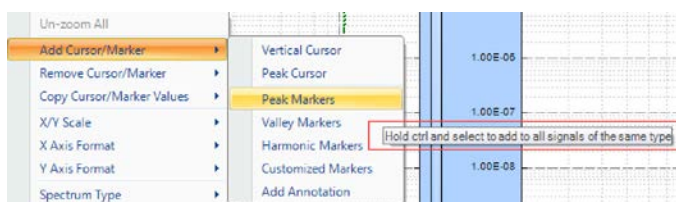
Valley marker

Marker count: 3

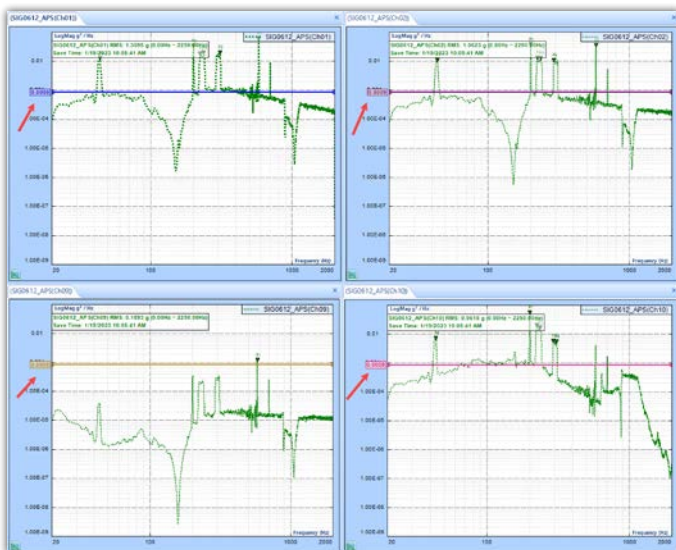
Marker shape: [V]

Harmonic marker

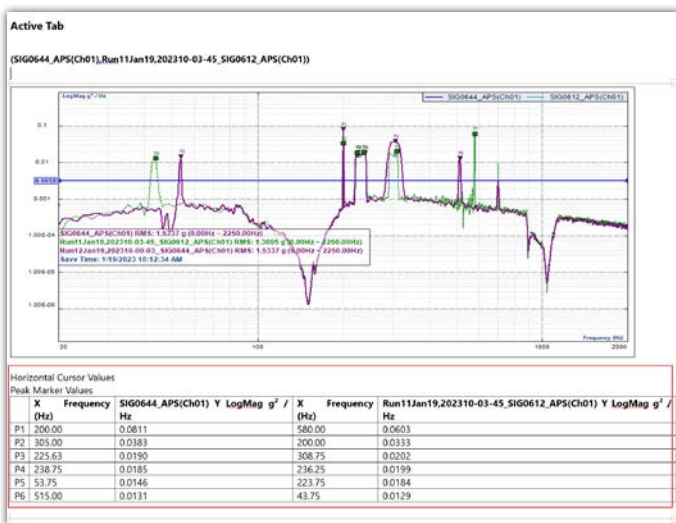
- Peak cursor can be added simultaneously to multiple plots.



- Peak cursor can be moved in sync across multiple plots.

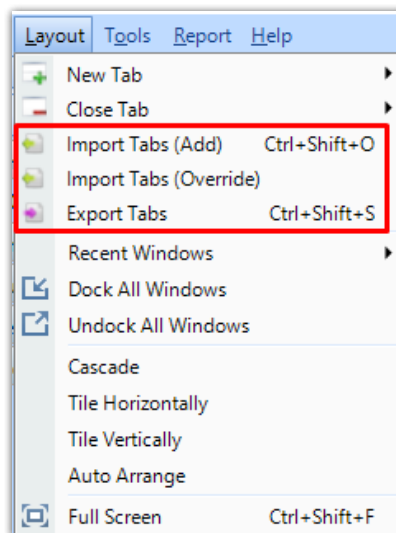


- The peak marker table includes more information in reports.



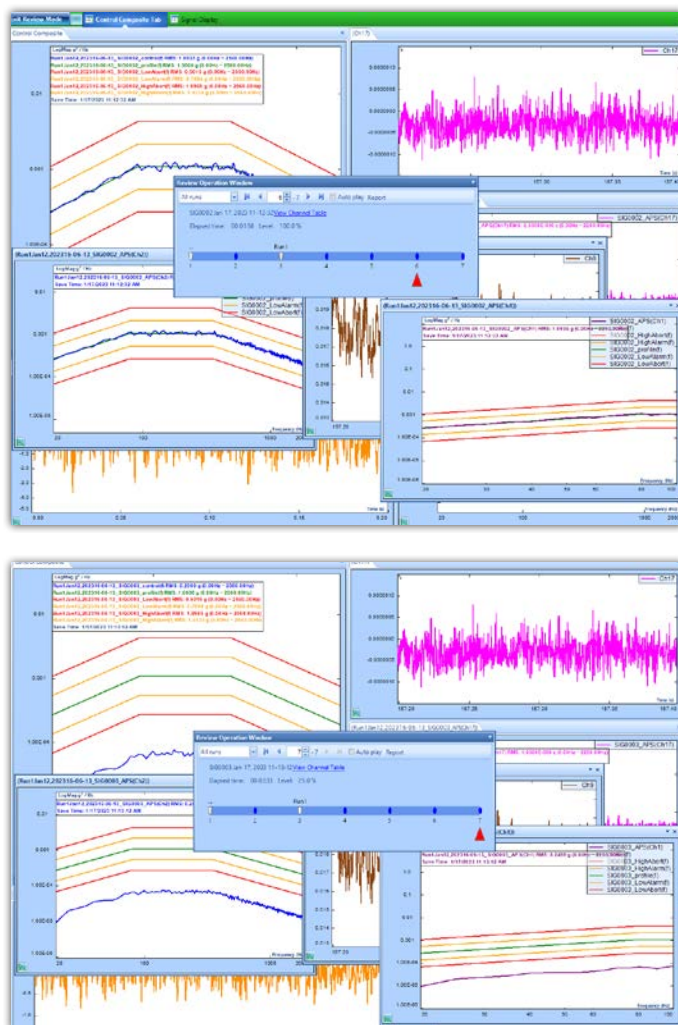
Layout "Import" & "Export" Tab UI

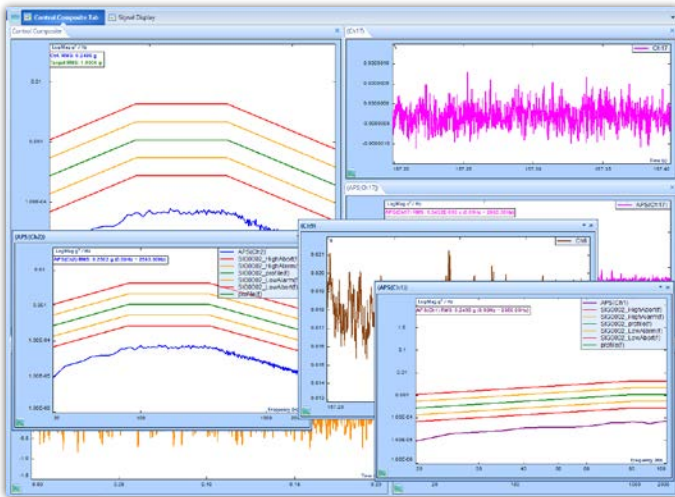
The Layout menu for importing and exporting displayed signal tabs is improved to provide clarification.



Review Mode Layout Improvements

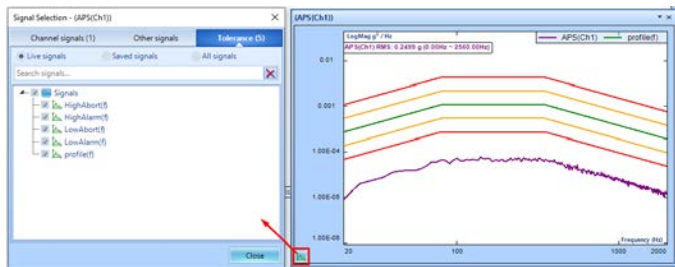
Improvements to Review mode are consistent with the Normal mode layout. Users can switch between runs when entering and exiting Review mode.





Removing "Tolerance_" prefix & Abort and Alarm signals from legend

Removal of the prefix "Tolerance_" from tolerance signals and the tolerance signals itself from legends to increase available space.



Display settings remain when entering or exiting Compare mode and switching between tests

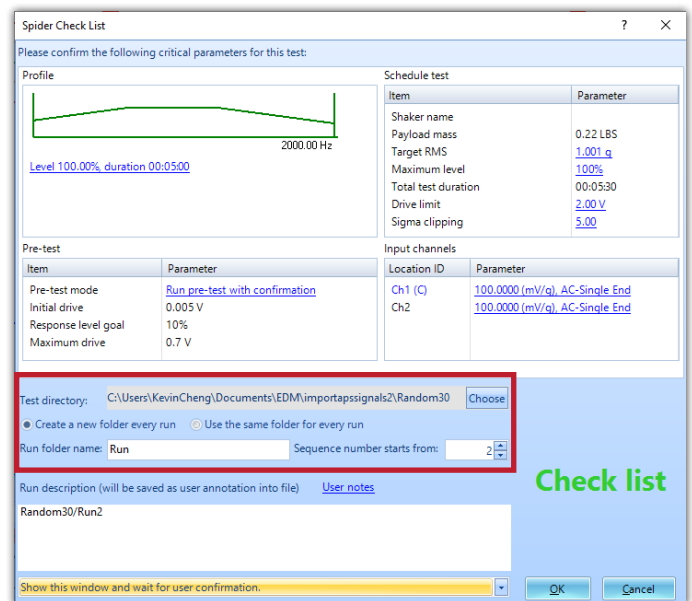
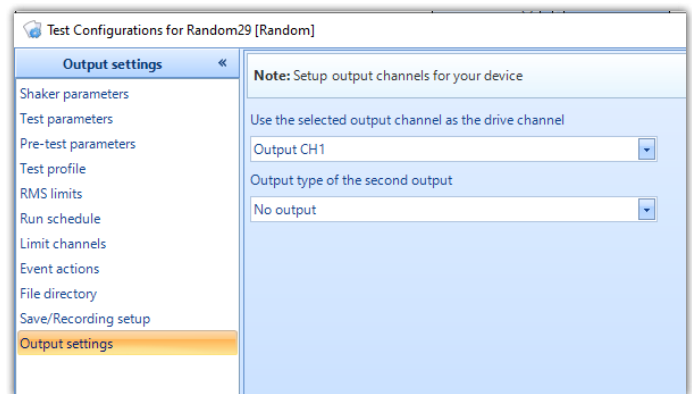
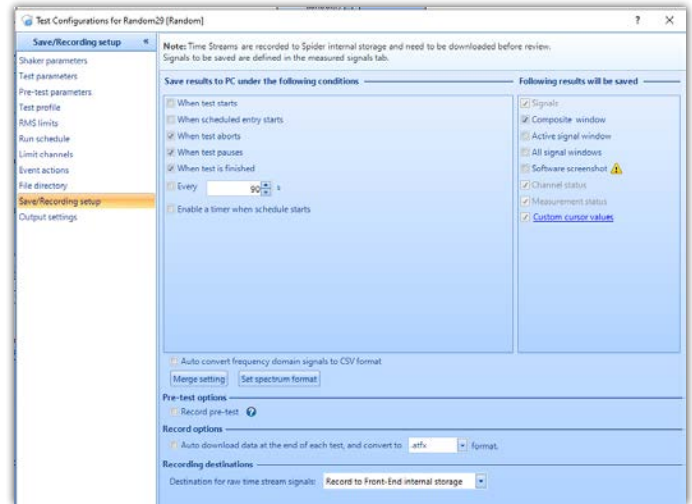
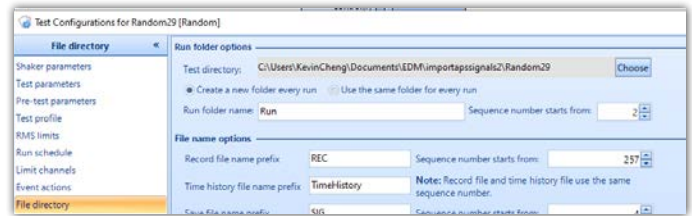
The following display settings will remain when entering or exiting Compare mode and switching between tests. The same settings can be copied and pasted to all identical signal type display windows.

- Range, format, and spectrum type of the horizontal axis and the second horizontal axis
- Range and format of the vertical axis
- Annotations
- Peak markers
- Positions of vertical cursors, peak cursors, and markers
- Plot signal colors, plot line type
- Display window name and display tab name

EDM Vibration Control Software

File Directory Save Location UI

The location of test files and run folders saved in the computer file system is clarified with more control over the run folder label in various areas of EDM. Users can save test results to a folder with a specified label instead of Default Folder.



Check list

Test Properties

Name: Random30

Description:

Created at: 1/17/2023 2:45:03 PM

Modified at: 1/17/2023 2:45:50 PM

Last run time: 1/17/2023 2:45:23 PM

Spider system: SYS_2590976

Created version: 11.0.0.0

Last run version: 11.0.0.0

Run folder options

Test directory: C:\Users\KevinCheng\Documents\EDM\importapssignals2\Random30

☒ Create a new folder every run ☐ Use the same folder for every run

Run folder name: Run Sequence number starts from: 2

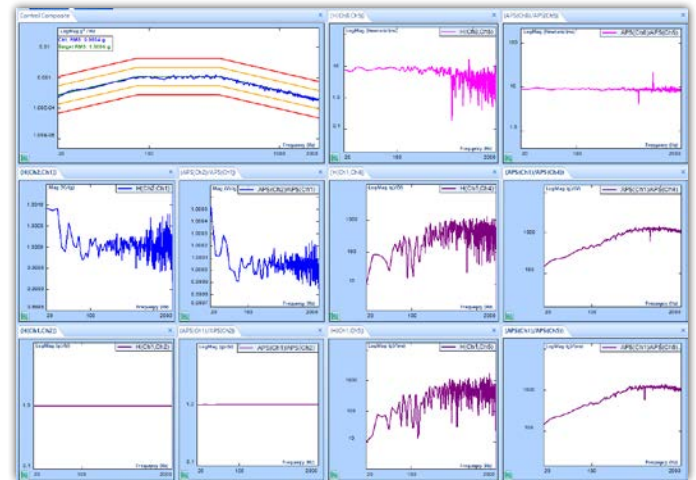
☐ Lock test View Spider change log OK Cancel

Measured Signals Setup

Time streams | Statistics time history | Time blocks | Auto-power Spectra (APS) | Error spectra | On-board Frequency Response (FRF) | PC Frequency Response (FRF) | PC Math signals | Help

All signals

Signal name	Measure	Save list	Signal color	Operand1	Operator	Operand2	Delete	Edit	Save destination
001 APS(CH1)/APS(CH2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		APS(CH1)	Divide by	APS(CH2)	X		PC
002 APS(CH1)/APS(CH4)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		APS(CH1)	Divide by	APS(CH4)	X		PC
003 APS(CH1)/APS(CH5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		APS(CH1)	Divide by	APS(CH5)	X		PC
004 APS(CH1)/APS(CH7)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		APS(CH1)	Divide by	APS(CH7)	X		PC
005 APS(CH1)/APS(CH7)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		APS(CH1)	Divide by	APS(CH7)	X		PC
006 APS(CH1)/APS(CH1)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		APS(CH1)	Divide by	APS(CH1)	X		PC
007 APS(CH2)/APS(CH1)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		APS(CH2)	Divide by	APS(CH1)	X		PC
008 APS(CH8)/APS(CH5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		APS(CH8)	Divide by	APS(CH5)	X		PC



Universal rule for Signal colors

Signal colors are now selected from the Measured Signal or Signal Selection window.

Measured Signals Setup

Time streams | Statistics time history | Time blocks | Auto-power Spectra (APS) | Error spectra | On-board Frequency Response (FRF) | PC Frequency Response (FRF) | PC Math signals | Help

All signals

Signal name	Measure	Save/Record list	Signal color	Save/Recording destination
001 Ch1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		FLASH
002 Ch2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		FLASH
003 Ch4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		FLASH
004 Ch5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		FLASH
005 Ch6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		FLASH
006 Ch7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		FLASH
007 Ch8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		FLASH
008 drive	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		FLASH
009 Block(CH1)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		PC
010 Block(CH2)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		PC
011 Block(CH4)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		PC
012 Block(CH5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		PC
013 Block(CH6)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		PC
014 Block(CH7)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		PC
015 Block(CH8)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		PC

Allows PC Math Signals to perform Division across different units

Math signals computed in the EDM software can now perform division across different units, such as Acceleration / Voltage, Acceleration / Force, etc.

Input Channels for Random30 [VC30Random30]											
File	Input	Export	Sensor	Hi-low control	DC offset control	Load from library	Save to library	Signal range	Save as default	Avoid location ID duplication	
Use Ctrl+L and Ctrl+V to copy and paste selected rows or cells.											
	On/Off	Location ID	Measurement quantity	Engineering unit	Input range	Sensor	Max. sensor range	Channel type	Input mode	Sensitivity	Hi/Lo
1	<input checked="" type="checkbox"/>	Ch1	Acceleration	Full	Full	User Defin...	20.0000 (G)	Control	AC-Single End	100.0000 (mV/G)	Off
2	<input checked="" type="checkbox"/>	Ch2	Voltage	Full	Full	User Defin...	20.0000 (V)	Monitor	AC-Single End	100.0000 (mV/V)	Off
3	<input checked="" type="checkbox"/>	Ch3	Acceleration	Full	Full	User Defin...	20.0000 (G)	Monitor	AC-Single End	100.0000 (mV/G)	Off
4	<input checked="" type="checkbox"/>	Ch4	Voltage	Full	Full	User Defin...	20.0000 (V)	Monitor	AC-Single End	100.0000 (mV/V)	Off
5	<input checked="" type="checkbox"/>	Ch5	Time	Full	Full	User Defin...	20.0000 (s)	Monitor	AC-Single End	100.0000 (mV/ms)	Off
6	<input checked="" type="checkbox"/>	Ch6	Force	Full	Full	User Defin...	20.0000 (N)	Monitor	AC-Single End	10.0000 (mV/Newt)	Off
7	<input checked="" type="checkbox"/>	Ch7	Voltage	Full	Full	User Defin...	20.0000 (V)	Monitor	AC-Single End	100.0000 (mV/V)	Off
8	<input checked="" type="checkbox"/>	Ch8	Force	Full	Full	User Defin...	20.0000 (N)	Monitor	AC-Single End	11.2404 (mV/Newt)	Off

Compute Signals using Math Functions

Press Add button to create a new signal. For example, to compute the difference between channel1 and channel2, select Operand1=ch1, Operand2=ch2, and Operator=Minus.

Signal list

Signal Name: APS(CH8)/APS(CH5)

Operand1: APS(CH8) Operator: / Operand2: APS(CH5)

☒ Use Constant ☐ Use Constant

Calculate signal by display value

Delete All Delete Add OK Cancel

Signal Selection - Control Composite

Channel signals | Other signals (6) | Tolerance

☒ Live signals ☐ Saved signals ☐ All signals

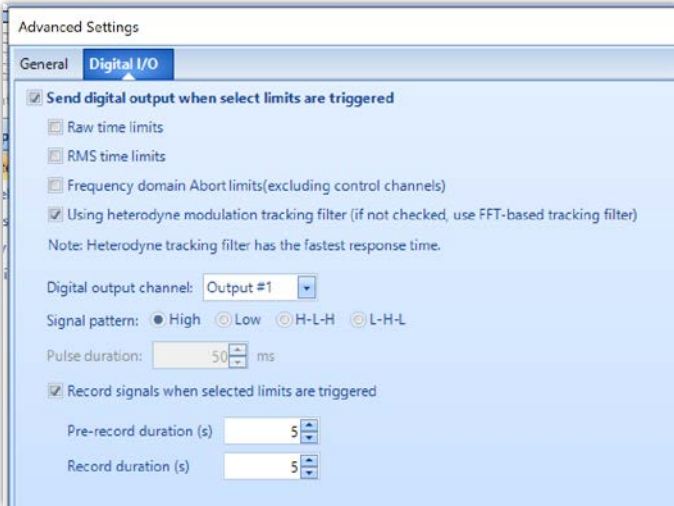
Search signals...

Signals

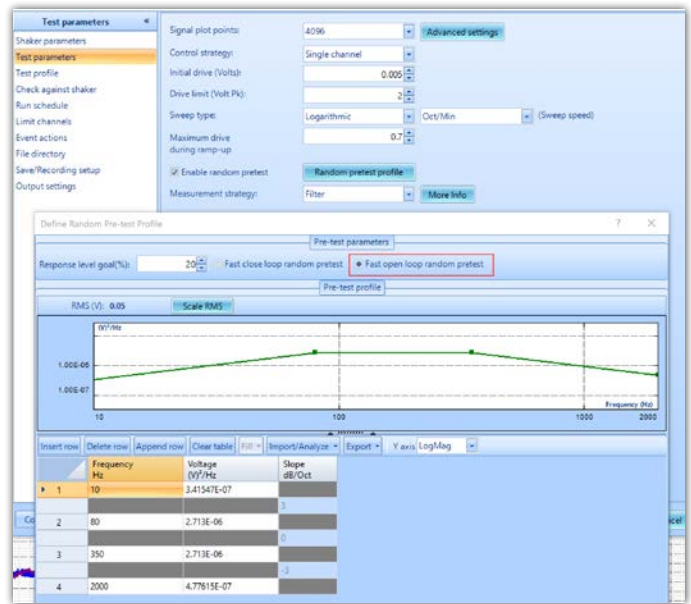
- ☒ HighAbort(f)
- ☒ HighAlarm(f)
- ☒ LowAbort(f)
- ☒ LowAlarm(f)
- ☒ APS(drive)
- ☒ control(f)
- ☒ profile(f)
- ☒ noise(f)

Sine Reduction: heterodyne modulation tracking filter

Heterodyne modulation tracking filter is used to trigger a digital output for a shutdown system.



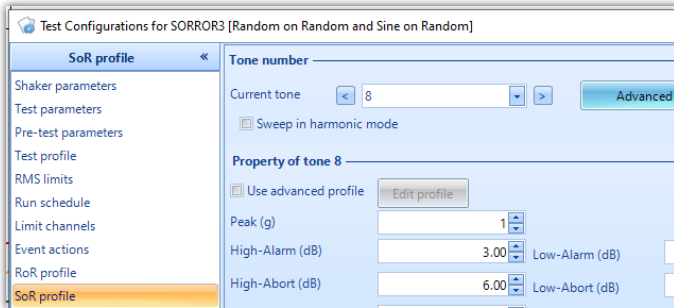
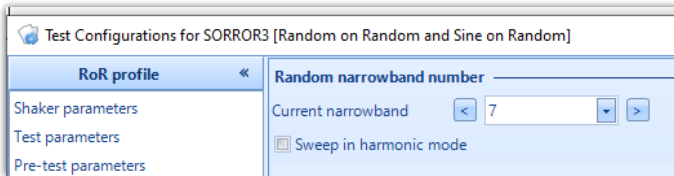
- Open loop Random pre-test added to Sine test types



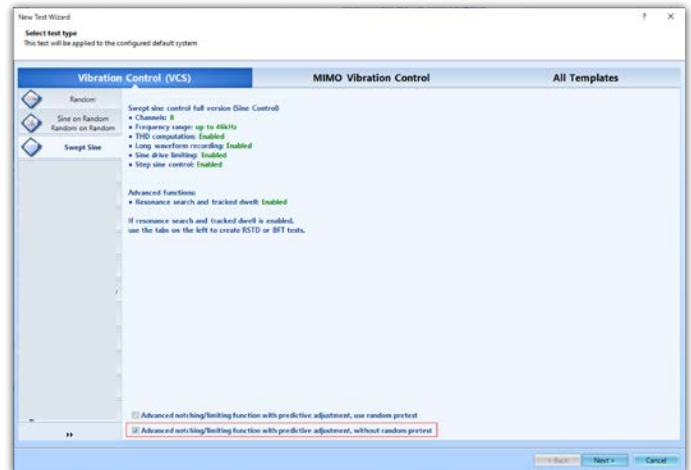
Improvements in SoRRoR

SoR & RoR Profile Next & Previous buttons

"Next" and "Previous" buttons allow users to quickly cycle through SoR & RoR bands.

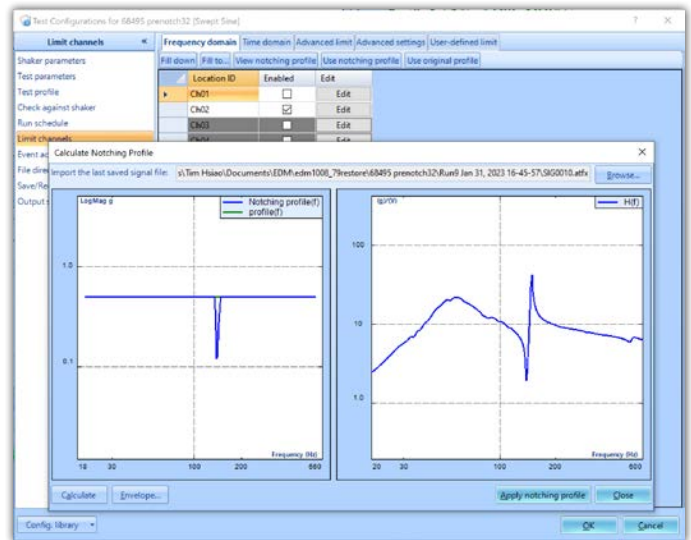
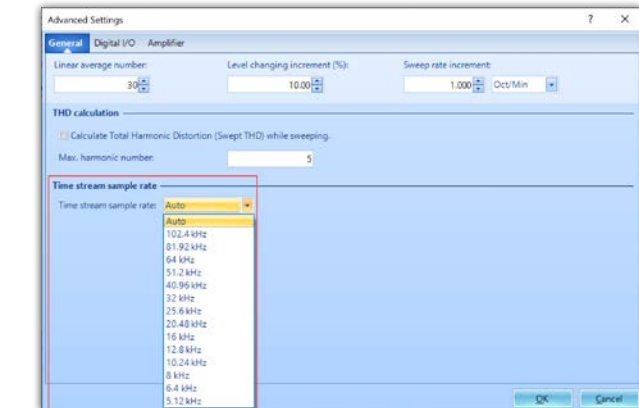


- Sine predictive notching with previously saved transfer function



Improvements in Sine/RSTD/Multi-sine

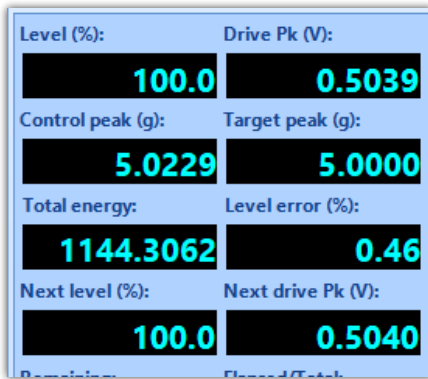
EDM provides sample rate options up to the hardware maximum and down to the 2.27 times of the profile range.



Improvements in Shock

Displays Total Energy instead of RMS.

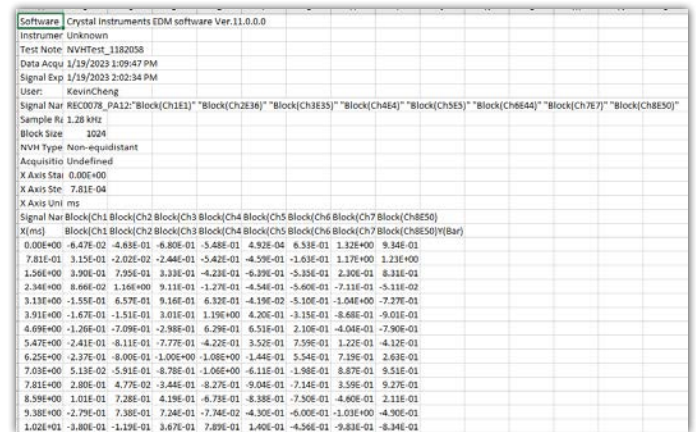
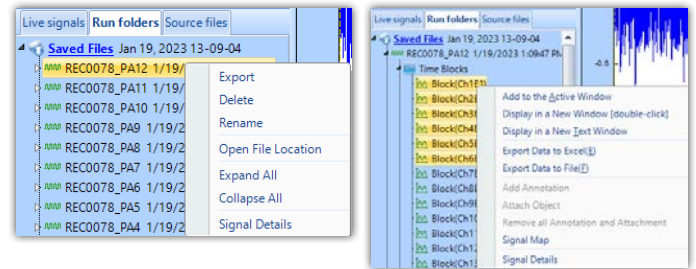
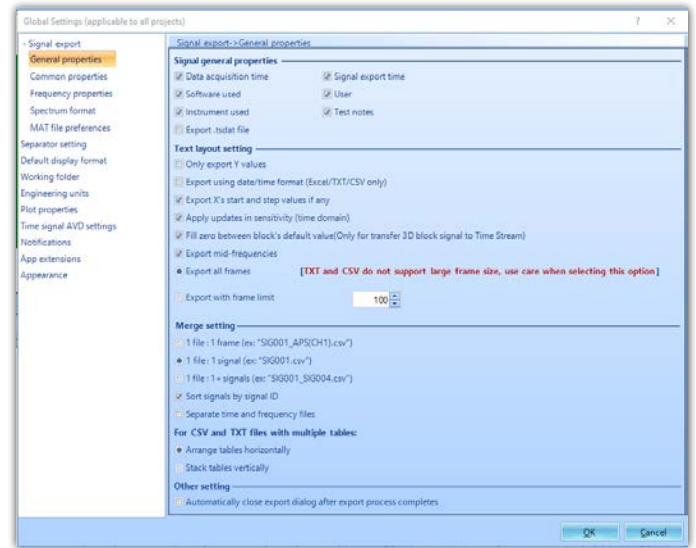
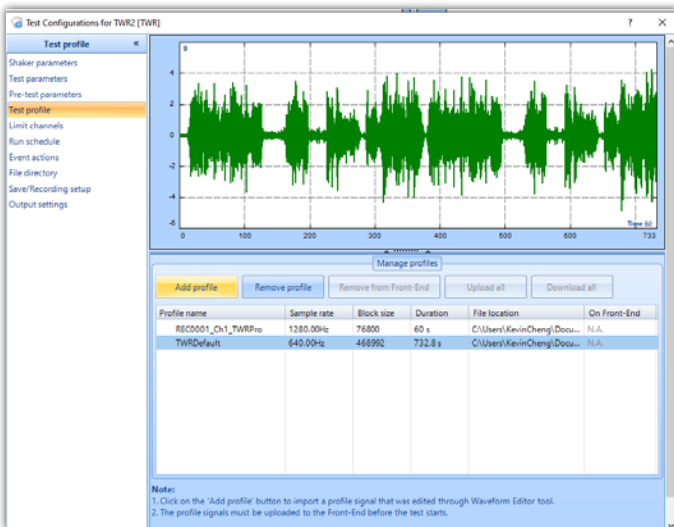
Displays the total energy of the test instead of the RMS measurement for transient process tests.



Improvements in TWR

TWR Test Profile UI (buttons relocated)

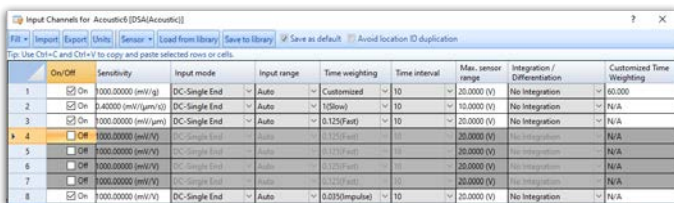
The buttons in TWR are relocated above the profile tables to provide a vertically consistent interface.



EDM Dynamic Signal Analyzer

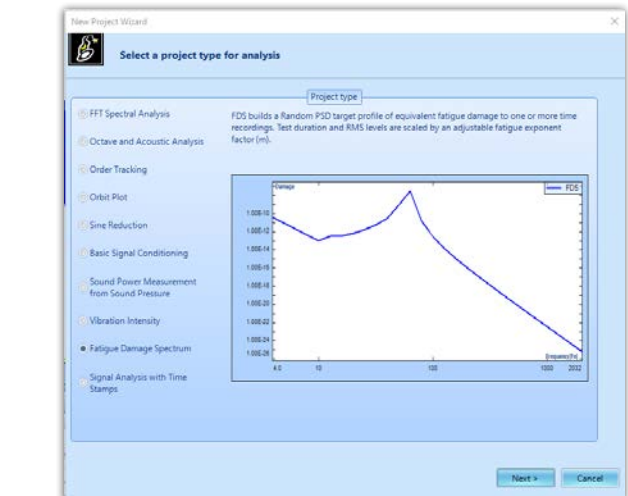
Custom time weighting for acoustic octave tests

Custom time weighting for acoustic octave tests has a new value input.



Updated FDS new project wizard information

The FDS new project wizard information is updated.



Post Analyzer

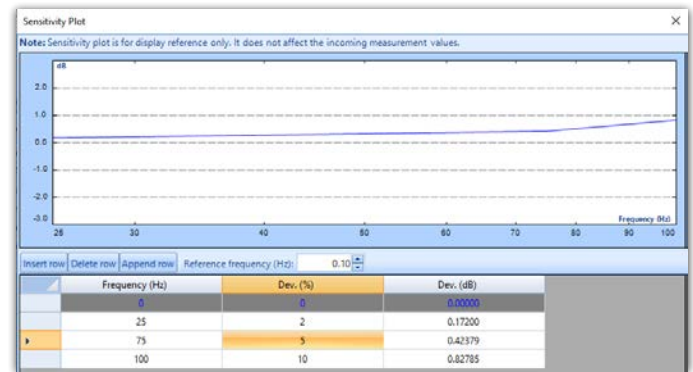
PA export merge settings

Additional export merge settings allow users to consolidate multiple files into one file.

Data source tab in PA Measured Signals

New tab provided in Measured Signals contains a list of all data sources used in a current project that can be enabled or disabled.

Signal	Sampling rate	Sensitivity	Block size	Duration	X units	Y units
REC0078.atx	1.28 kHz	227.5154mV...	39168	30.6 (s)	ms	Bar
Ch1E1	1.28 kHz	157.935mV...	39168	30.6 (s)	ms	Bar
Ch2E36	1.28 kHz	146.5175mV...	39168	30.6 (s)	ms	Bar
Ch3E35	1.28 kHz	129.6950mV...	39168	30.6 (s)	ms	Bar
Ch4E4	1.28 kHz	154.6407mV...	39168	30.6 (s)	ms	Bar
Ch5E3	1.28 kHz	151.5524mV...	39168	30.6 (s)	ms	Bar
Ch6E44	1.28 kHz	144.4128mV...	39168	30.6 (s)	ms	Bar
Ch7E7	1.28 kHz	157.935mV...	39168	30.6 (s)	ms	Bar
Ch8E50	1.28 kHz	145.0364mV...	39168	30.6 (s)	ms	Bar
Ch9E9	1.28 kHz	158.4027mV...	39168	30.6 (s)	ms	Bar
Ch10E10	1.28 kHz	143.0458mV...	39168	30.6 (s)	ms	Bar
Ch11E11	1.28 kHz	154.1441mV...	39168	30.6 (s)	ms	Bar
Ch12E54	1.28 kHz	151.4137mV...	39168	30.6 (s)	ms	Bar
Ch13E13	1.28 kHz	154.4503mV...	39168	30.6 (s)	ms	Bar
Ch14E53	1.28 kHz	140.3739mV...	39168	30.6 (s)	ms	Bar
Ch15E30	1.28 kHz	150.268mV...	39168	30.6 (s)	ms	Bar
Ch16E28	1.28 kHz	152.463mV...	39168	30.6 (s)	ms	Bar
Ch17E29	1.28 kHz	162.799mV...	39168	30.6 (s)	ms	Bar
Ch18E30	1.28 kHz	149.6099mV...	39168	30.6 (s)	ms	Bar
Ch19E14	1.28 kHz	168.0172mV...	39168	30.6 (s)	ms	Bar
Ch20E34	1.28 kHz	156.8277mV...	39168	30.6 (s)	ms	Bar
Ch21E31	1.28 kHz	153.3243mV...	39168	30.6 (s)	ms	Bar
Ch22E26	1.28 kHz	649.8942mV...	39168	30.6 (s)	ms	Bar
Ch23E35	1.28 kHz	762.5915mV...	39168	30.6 (s)	ms	Bar
Ch24E35	1.28 kHz	828.8438mV...	39168	30.6 (s)	ms	Bar
Ch25E35	1.28 kHz	752.2095mV...	39168	30.6 (s)	ms	Bar
Ch26E35	1.28 kHz	844.7373mV...	39168	30.6 (s)	ms	Bar



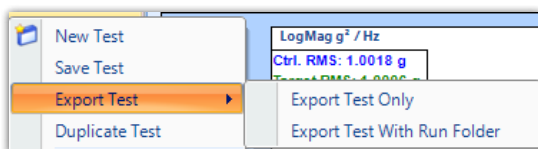
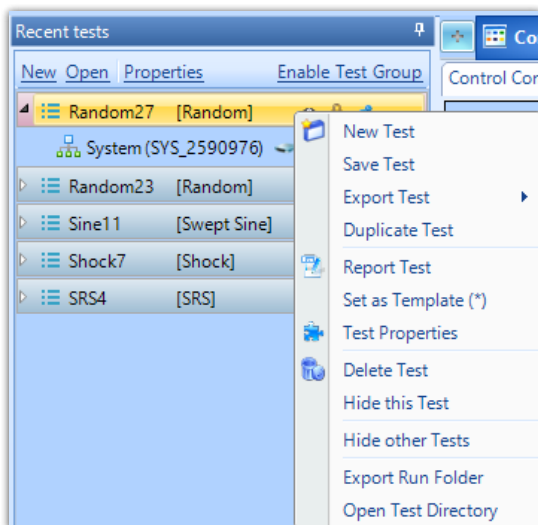
Flexible frequency range when exporting to Excel

Flexible frequency range when exporting frequency domain signals to an Excel file, where either input can be the start to end or end to start.

General Improvements

Recent Tests & Test Group right-click menu UI

The right-click menu UI in the Recent Tests and Test Group windows now provides options to hide or export recent tests. Exporting a test only creates a new STK file and will not create a test in the database.



Clarify Sensitivity Plot Function

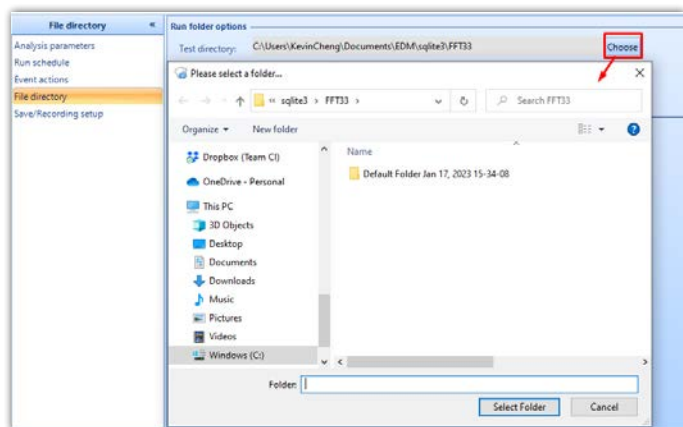
The sensitivity plot function in the sensor library is clarified as reference only. It does not affect the incoming measurement values.

Name	High-Pass frequency	Sensitivity plot	Last calibration	Calibration interval
New Sensor	2.0000(Hz)	Edit		365(Days)
3023A1-Z	0.0000(Hz)	Edit	5/8/2009 12:00:00 AM	365(Days)

27	X:Frequency	Y:Mag (μm) ² /Hz
28	25	2.05125E-06
29	50	7.74447E-11
30	75	2.04803E-06
31	100	8.18828E-06
32	125	2.04759E-06
33	150	2.78095E-11
34	175	1.85437E-12
35	200	3.59023E-13
36	225	1.57856E-13
37	250	1.18467E-13
38	275	8.04476E-14
39	300	7.22773E-14
40	325	7.57189E-14
41	350	8.82173E-14
42	375	8.77542E-14
43	400	9.56152E-14
44	425	4.59065E-14
45	450	5.41691E-14

Improved file explorer window to select test directory file path

An improved comprehensible file explorer window allows users to easily select a test directory file path.

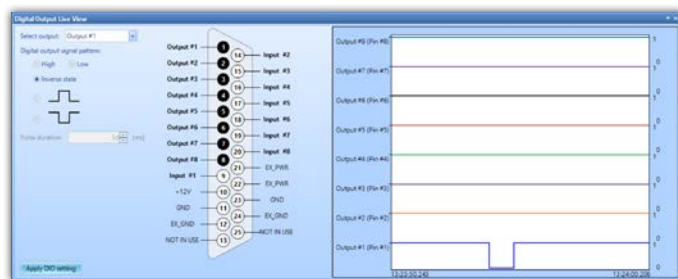


EDM Temperature, Humidity, Vibration (THV) Control Software

Digital Output View implemented in THV and DSA.

Digital Outputs now offers a live view in the EDM signal display. This feature allows users to:

- Display all pin numbers of the DB connector
- Display the current state of each digital output pin
- Display the state of each digital output pin over a given duration
- Manually set the output pulse or state of a digital output pin
- Set the display duration and color of each digital output signal



- Supports the new TH controller structure: PLC + Spider-101i, which is the fourth generation in the following table.

All generations of the TH controllers for STI chambers are listed in the following table.

	UI	Configurations and Data	Control	Chamber system monitoring	Monitoring gauges
1	THV/EDC	Spider	Spider	UMC PLC	Analog, connected to PLC
2	THV/EDC	Spider	Spider	Spider	Analog, connected to Spider
3	THV/EDC	Spider	Spider	Siemens PLC	Digital, connected to PLC
4	THV/EDC	Spider	Spider / Siemens PLC	Siemens PLC	Analog, connected to PLC

- EDM THV HALT/HASS controller software



Cancelling Measured Signals

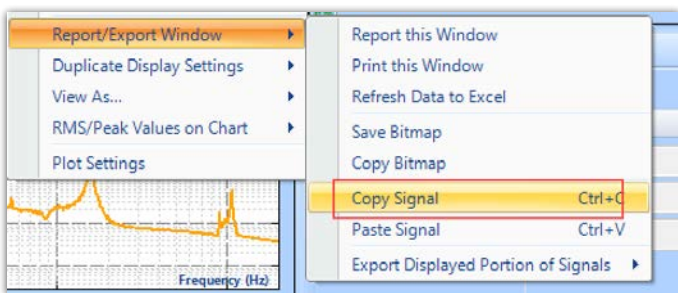
Clicking "Cancel" in Measured Signals will no longer display a user prompt to confirm cancellation.

Improved Run History Search Performance

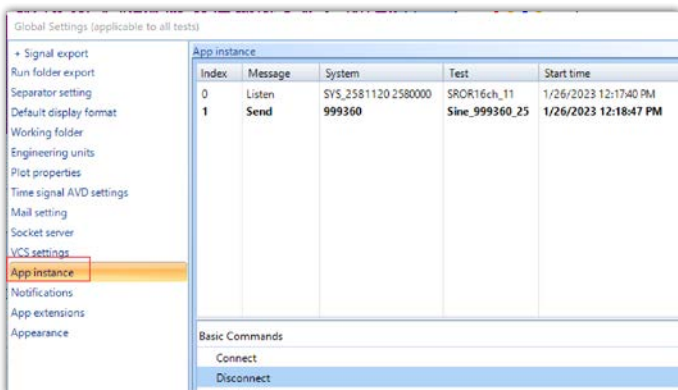
The Run History search function will wait for the Search button to be clicked instead of automatically searching for an entered entry.

- "Copy signal data" (to paste to a file) and "Copy signal" (to paste to a display window) is combined into one "Copy signal" command.

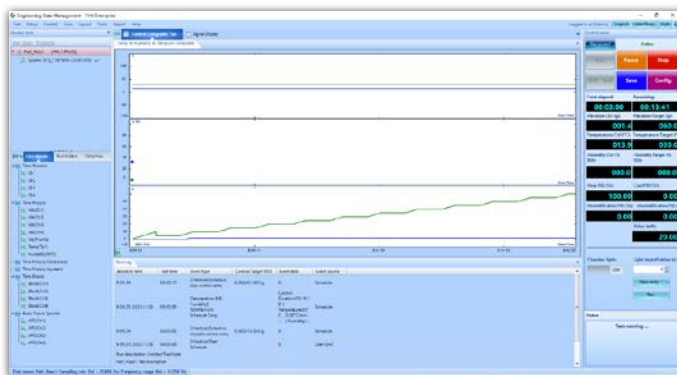
Copied signals from a window can be pasted to a new display window, or their values can be pasted to a text file.



- Settings for multiple VCS instances are moved to an independent tab in Global settings.



- Supports the latest hardware changes.



Temp/Humidity parameters		Test temperature limits	
Chamber parameters		Test temperature upper limit	160.00 °C
Temp/Humidity parameters		Test temperature lower limit	-75.00 °C
		Controls parameter	

Signal display and layout are saved for review. View previous runs and signals.



- The recent test list in EDM Cloud Browser is organized and more concise.

- EDM VCS Cloud UI

The EDM VCS Cloud settings are updated for clarity.

Cloud

- Macro Variables
- Initial Setup Ctrl+Shift+I

Account Settings

Upload Run Logs to Cloud

Visit EDM Cloud Website

Upload Run Logs to EDM Cloud

Time frame

Upload all tests run in the past:

☒ 1 week

☐ 2 weeks

☐ 1 month

☒ Custom 12/18/2022 to 1/18/2023

Customized test selection

Select all test(s) in this database

☐ Manually select

Test	Run count	Last run on
Shock7	4	2023-01-18 15:23:51
└─ 1		2023-01-06 16:00:14
└─ 2		2023-01-09 15:14:20
└─ 3		2023-01-18 15:18:28
└─ 4		2023-01-18 15:23:51
SR56	2	2023-01-18 15:17:47
Random29	5	2023-01-18 11:32:25
Random30	1	2023-01-17 14:45:23
Sine12	4	2023-01-17 14:44:45
SORROR4	2	2023-01-17 11:26:35
Shock9	3	2023-01-17 11:22:19
BFT2	1	2023-01-13 14:50:05
AcousticControl3	1	2023-01-13 14:42:28
TW92	2	2023-01-13 14:38:02
Earthquake2	1	2023-01-13 14:02:08
TR7	1	2023-01-13 13:51:02

Upload Cancel

SOFTWARE RELEASE HISTORY

Type	Release	Exact Version	Release Date
Release	EDM 4.2	CI 4.2.0.3	02/28/2014
Patch	EDM 4.2.0	CI 4.2.0.14	07/02/2014
Release	EDM 5.0	CI 5.0.0.2	11/27/2014
Patch	EDM 5.0.1	CI 5.0.1.3	02/27/2015
Release	EDM 5.1	CI 5.1.0.6	08/12/2015
Release	EDM 6.0	CI 6.0.0.1	05/19/2016
Patch	EDM 6.0.2	CI 6.0.2.9	08/09/2016
Release	EDM 6.1	CI 6.1.0.4	02/07/2017
Patch	EDM 6.1	CI 6.1.0.27	08/22/2017
Release	EDM 7.0	CI 7.0.0.6	02/01/2018
Patch	EDM 7.1	CI 7.1.0.7	07/19/2018
Release	EDM 8.0	CI 8.0.0.1	02/02/2019
Release	EDM 8.1	CI 8.1.0.1	11/13/2019
Release	EDM 9.0	CI 9.0.0.4	06/05/2020
Release	EDM 9.1	CI 9.1.0.0	02/03/2021
Release	EDM 10.0	CI 10.0.0.2	10/26/2021
Release	EDM 10.1	CI 10.1.0.1	09/09/2022
Release	EDM 11.0	CI 11.0.0.1	01/19/2023

SYSTEM REQUIREMENTS

Minimum system requirements:

- **Operating system support:** Windows 7 SP1 or higher
- **Operating system type:** 32-bit or 64-bit
- **Processor speed:** 1.5 GHz Dual-Core x86
- **RAM:** 4 GB
- **Available storage space:** 10 GB

Recommended system requirements (minimum for Spider systems higher than 16 channels):

- **Ethernet speed:** at least 1 Gbps Ethernet port on the computer
- **Network cables:** provided by Crystal Instruments
- **Operating system:** Windows 10, 64-bit
- **Processor:** Intel Core i7, 2.0 GHz or Higher
- **RAM:** 8 GB DDR3 1600 or higher
- **Available storage space:** 10 GB or higher
- **Spider-HUB firmware version:** 2.0.5.17 or higher

VERSION COMPATIBILITY

Product and Software Version	Firmware Versions
Spider-80X/80Xi/80Hi/80Ci	
EDM Testing 11.0.0.x	11.0.0.1
Spider-81 (v7.x)	
EDM Testing 11.0.0.x	11.0.0.1
Spider-81B (v7.x)	
EDM Testing 11.0.0.x	11.0.0.1
Spider-80SG/SGi	
EDM Testing 11.0.0.x	11.0.0.1
Spider-20HE/20i	
EDM Testing 11.0.0.x	11.0.0.1

Product and Software Version	Firmware Versions
CoCo-80X/90X	
EDM Testing 11.0.0.x (EDM CoCo for DSA)	2.0.x or above
CoCo-70X	
EDM Testing 11.0.0.x (EDM CoCo for DSA)	2.0.x or above
Vibration Diagnostic System 1.4.2.x	2.0.x
CoCo-80	
EDM 6.0.2.x	4.0.x

ANALOG
DIGITAL



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ADM Messtechnik GmbH & Co. KG

Zum Wartturm 9 · 63571 Gelnhausen

Tel. (06051) 916557-1 · Fax 916557-9

sales@adm-messtechnik.de

Crystal Instruments Corporation
2090 Duane Avenue
Santa Clara, CA 95054

Phone: +1 (408) 986-8880
Fax: +1 (408) 834-7818

www.crystallinstruments.com
info@go-ci.com

Crystal Instruments Testing Lab
15661 Producer Lane, STE H
Huntington Beach, CA 92649

Crystal Instruments Testing Lab
1548A Roger Dale Carter Boulevard
Kannapolis, NC 28081

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