

Presentation Quick Start



First Steps with Presentation / Marvis App



Using the Presentation application (also called Marvis), you can display and analyze measured curves, spectra and other results. You generate reports which can be printed or exported.



Presentation can load data for many measurements, so you can compare measurements and evaluate differences.



You can load measurements from the result data base, or directly from archive files which store the measured data.

Installing and Updating Presentation

The Presentation App is 64 Bit software and can be installed on any Windows PC running Windows 10 or upwards, even without administrative rights if necessary.

If your company has obtained TAS boxes and measurement PCs from Discom, you automatically have a site license for the Discom evaluation software tools (Presentation, WebPalViewer, TasWavEditor). You do not need to get a separate license for installation of these applications on any company PC.



You can download installation and update packages for Presentation from our web server at

download.discom.de/Presentation

You will also find installation instructions and manuals there.

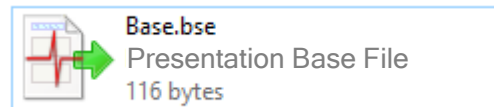
Presentation Projects

The Microsoft Word application works on a Word document, Excel on a spreadsheet. Similarly, Presentation works on a *Project*.

A Presentation project consists of a collection of page descriptions with project-specific layout, a collection of macros for displaying data (called Rapports), settings, and other items specific for a project, like customer logos. All according files are collected in a folder, called the project folder.



The Project Base File is also located in the project folder. When you want to load a project, you open the base file with Presentation. The file extension of Presentation project base files is **bse**; in most cases the base file will have the name **Base.bse**.



When you have freshly installed Presentation on a computer and start it for the first time, it will ask for the project base file. You can copy the project folder from a measurement PC and store it at any location on your PC. Then, direct Presentation to that folder to open the base file.

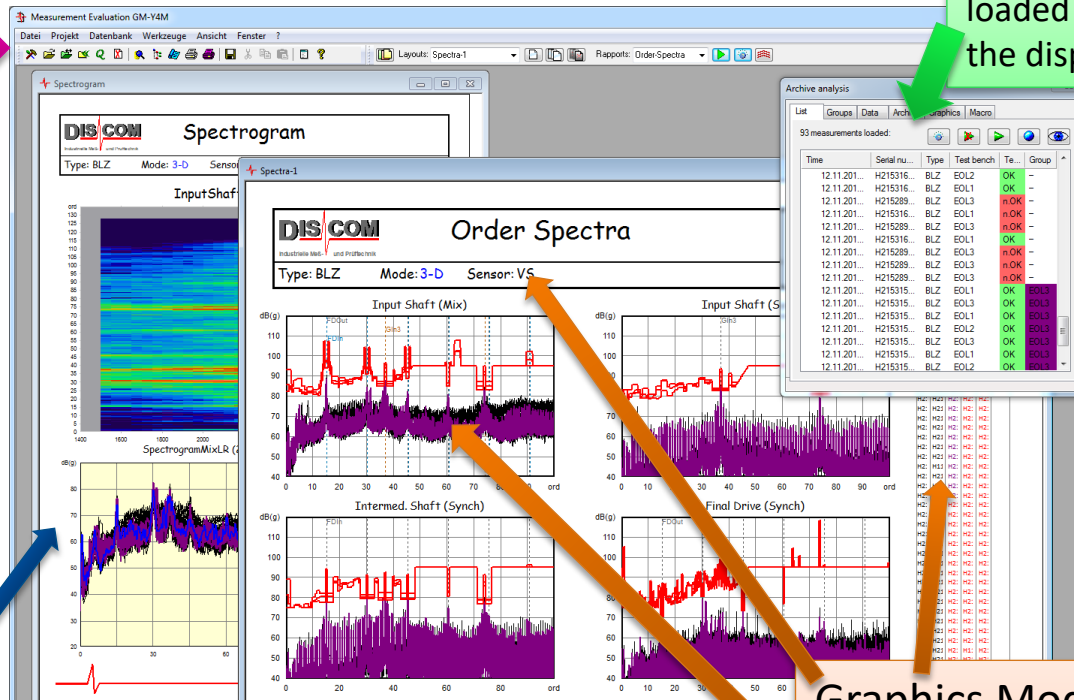
On measurement PCs, the Presentation projects are normally located in folder **C:\Discom\Analysis\Presentations**

Basic Terms

The major elements of Presentation user interface are:

Menu and Toolbars:
With these buttons you quickly call up different functions.

Control Window:
In this window you can see the list of loaded measurements and can control the display.




Layout Pages:
The layouts are printable report pages. Their content can be adapted to your requirements.

Graphics Modules:
There are curve plots, text boxes, pictures, lists and more. Double-click on a graphics module to call up and change its settings (e.g., to change the scaling of a graph or the content of a text box).

Standard Workflow

When using Presentation, the typical workflow is

1. Load measurements
2. Display data with Rapports 
3. Adjust display settings
4. Work with the list of loaded measurements
5. Un-load all measurements and load new ones.

Each measurement contains many different data, like spectra, order tracks, single values, spectrograms and more. “Display Data” means to decide which data you want to see and get them drawn in graphics modules on layout pages. “Rapports” generate pre-defined reports.

There are many more things that can be done in Presentation, but these are the basic steps you will always need, and which are explained in the documentation.

A note about saving:


When you close Presentation app, all changes you made to graphics, layouts, display settings and so on are automatically saved. (Go to menu *Project – Read-only settings* to activate write protection for different categories.)

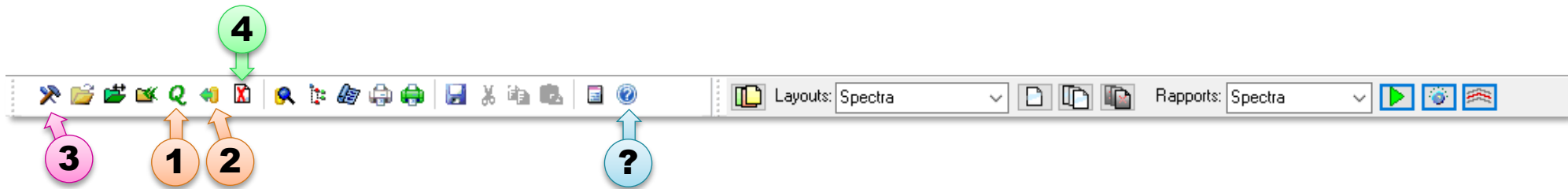


You can have multiple instances of Presentation running at the same time, using the same project. When you close these multiple instances one after the other, *the last one wins* with respect to saving settings!

Loading Measurements

 You can open archive files directly in Presentation by double-clicking on the rdt file, or by dragging an archive file from Windows explorer into an open Presentation.

 If you are connected to a result database server, use toolbar buttons **1** or **2** or key **F5** to open the database assistant and get measurements from the database. (Loading measurements from database is explained in more detail later.)



With button **3** or key **F2** you open the control window where the list of loaded measurements is shown (see next page).



Press toolbar button **4** to un-load all measurements and empty the list. Then, load new measurements from file or data base.

Button **?** will show software version information for the installed Presentation and direct you to the software download website.

The Control Window

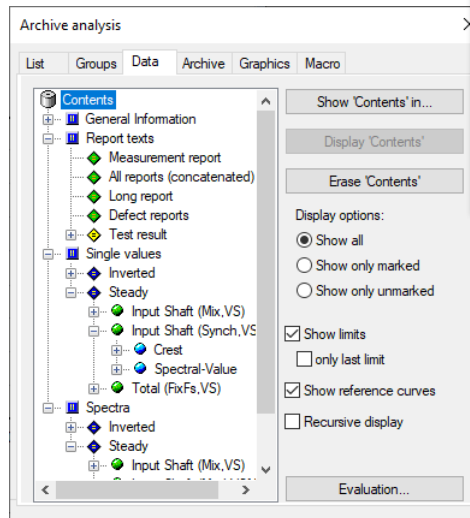
The Control Window has seven tabs for different purposes. The tabs you will use most are *List*, *Data* and *Groups*:

The *List* tab shows all currently loaded measurements. See next page for more details on the List tab.

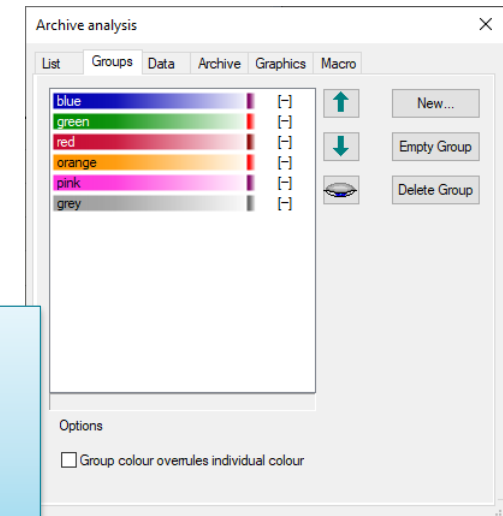
Time	Serial number	Type	Te...	Group
17.12.2021 13:56...	211217-135559	Beari...	OK	blue
25.01.2022 15:33...	220125-153257	Beari...	OK	-
25.01.2022 16:08...	220125-160837	Beari...	OK	-
25.01.2022 16:08...	220125-160855	Beari...	OK	-
25.01.2022 16:09...	220125-160925	Beari...	OK	-
25.01.2022 16:10...	220125-161033	Beari...	n.e...	-
25.01.2022 16:16...	220125-161641	Beari...	OK	-
25.01.2022 16:17...	220125-161710	Beari...	OK	-
04.02.2022 09:40...	220204-094023	Beari...	Sy...	-
04.02.2022 12:43...	220204-124300	Beari...	OK	orange
04.02.2022 12:44...	220204-124453	Beari...	OK	orange
04.02.2022 13:21...	220204-132113	Beari...	OK	orange
04.02.2022 13:46...	220204-134630	Beari...	OK	orange

The *Data* tab holds the Contents Tree which sorts all data contained in the loaded measurements.

From here, you can assign data nodes to graphics modules (e.g. spectra to a plot) to get them displayed.



Measurements can be placed in groups to be able to compare batches of results. In the *Groups* tab, you can define groups, change their names and colors and their sorting order (which influences the display order).



The List of Measurements

The *List* tab helps to organize the loaded measurements and highlight certain measurements in the data display:

This measurement has the *Focus*. Only one measurement can have the focus. Select a measurement and press to set the focus.

These measurements are *marked*. You can mark any number of measurements. Select a measurement and press to mark it. Press to remove all marks.

This is the selected measurement. Select measurements as you would do in any Windows application. Some functions (like marking) apply to all selected measurements.

Double-click in the list repeats the last operation. If you have set the focus immediately before, double-click will move the focus to the selected list item. If you have marked measurements before, double-click will mark additional measurements.

Press button to select which columns appear in the list.

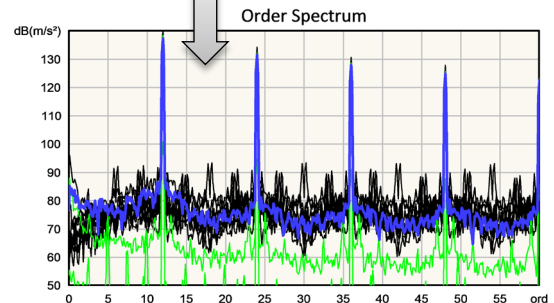
Archive analysis

List Groups Data Archive G Macro

13 measurements loaded:

Time	Serial number	Type	Te...	Group
17.12.2021 13:56...	211217-135559	Beari...	OK	blue
25.01.2022 15:33...	220125-153257	Beari...	OK	-
25.01.2022 16:08...	220125-160837	Beari...	OK	-
25.01.2022 16:08...	220125-160855	Beari...	OK	-
25.01.2022 16:09...	220125-160925	Beari...	OK	-
25.01.2022 16:10...	220125-161033	Beari...	n.e...	-
25.01.2022 16:16...	220125-161641	Beari...	OK	-
25.01.2022 16:17...	220125-161710	Beari...	OK	-
04.02.2022 09:40...	220204-094023	Beari...	Sy...	-
04.02.2022 12:43...	220204-124300	Beari...	OK	orange
04.02.2022 12:44...	220204-124453	Beari...	OK	orange
04.02.2022 13:21...	220204-132113	Beari...	OK	orange
04.02.2022 13:46...	220204-134630	Beari...	OK	orange

Curves of the *focus* measurement are drawn in blue, *marked* measurements are shown in green.



Right-click on a selected measurement to call up a menu with functions for all selected measurements.

- Mark this item
- Add to marked items
- Mark no items
- Marks/General >
- Group >
- Hide item(s)
- Un-hide all items
- Remove from List
- Archive features >
- Item origin?
- Copy list to Clipboard
- Measurement information

"Hide items" will remove all selected measurements from the list and all data displays, "un-hide" will bring them back. "Remove from list" will completely un-load these measurements.

Querying the Result Database

Press toolbar button **Q** or key **F5** to load measurements from the result data base:



3 Choose a display macro and press [Display Measurements] or press [Expert Mode].

Work with

Display Macro: Order-Spectra

Buttons: Display Measurements, Expert Mode, Settings...

Time	Serial Number	Type	Test Bench	Result	Currentness of measurement
<input type="checkbox"/>	12.11.2015 01:27:23	H21531558LZ×0304	BLZ	EOL2	ok latest
<input type="checkbox"/>	12.11.2015 01:28:54	H21531558LZ×0306	BLZ	EOL1	ok latest
<input type="checkbox"/>	12.11.2015 01:30:03	H21531558LZ×0308	BLZ	EOL2	ok latest
<input type="checkbox"/>	12.11.2015 01:31:12	H21531558LZ×0310	BLZ	EOL3	ok latest
<input type="checkbox"/>	12.11.2015 01:32:21	H21531558LZ×0312	BLZ	EOL1	ok latest
<input checked="" type="checkbox"/>	12.11.2015 01:33:30	H21531558LZ×0314	BLZ	EOL2	ok latest
<input checked="" type="checkbox"/>	12.11.2015 01:34:39	H21531558LZ×0316	BLZ	EOL3	ok latest
<input type="checkbox"/>	12.11.2015 01:35:48	H21531558LZ×0318	BLZ	EOL1	ok latest
<input checked="" type="checkbox"/>	12.11.2015 01:36:57	H21531558LZ×0320	BLZ	EOL2	ok latest
<input type="checkbox"/>	12.11.2015 01:38:06	H21531558LZ×0322	BLZ	EOL3	ok latest
<input type="checkbox"/>	12.11.2015 01:39:15	H21531558LZ×0324	BLZ	EOL1	ok latest
<input type="checkbox"/>	12.11.2015 01:40:24	H21531558LZ×0326	BLZ	EOL2	ok latest
<input type="checkbox"/>	12.11.2015 01:41:33	H21531558LZ×0328	BLZ	EOL3	ok latest
<input type="checkbox"/>	12.11.2015 01:42:42	H21531558LZ×0330	BLZ	EOL1	ok latest
<input type="checkbox"/>	12.11.2015 01:43:51	H21531558LZ×0332	BLZ	EOL2	ok latest
<input type="checkbox"/>	12.11.2015 01:45:00	H21531558LZ×0334	BLZ	EOL3	ok latest
<input type="checkbox"/>	12.11.2015 01:46:09	H21531558LZ×0336	BLZ	EOL1	ok latest
<input type="checkbox"/>	12.11.2015 01:47:18	H21531558LZ×0338	BLZ	EOL2	ok latest
<input type="checkbox"/>	12.11.2015 01:48:27	H21531558LZ×0340	BLZ	EOL3	ok latest
<input type="checkbox"/>	12.11.2015 01:49:36	H21531558LZ×0342	BLZ	EOL1	ok latest
<input type="checkbox"/>	12.11.2015 01:50:45	H21531558LZ×0344	BLZ	EOL2	ok latest
<input type="checkbox"/>	12.11.2015 01:51:54	H21531558LZ×0346	BLZ	EOL3	ok latest
<input type="checkbox"/>	12.11.2015 01:53:03	H21531558LZ×0348	BLZ	EOL1	ok latest
<input type="checkbox"/>	12.11.2015 01:54:12	H21531558LZ×0350	BLZ	EOL2	ok latest
<input type="checkbox"/>	12.11.2015 01:55:21	H21531558LZ×0352	BLZ	EOL3	ok latest
<input type="checkbox"/>	12.11.2015 01:56:30	H21531558LZ×0354	BLZ	EOL1	ok latest
<input type="checkbox"/>	12.11.2015 01:57:39	H21531558LZ×0356	BLZ	EOL2	ok latest
<input type="checkbox"/>	12.11.2015 01:58:48	H21531558LZ×0358	BLZ	EOL3	ok latest
<input type="checkbox"/>	12.11.2015 01:59:57	H21531558LZ×0360	BLZ	EOL1	ok latest

Buttons: Lists..., Wizards..., Delete..., Repeat Query, Condense List

If you want to load only some of the measurements from the list, set check marks in front of these. (No check marks = all measurements will be loaded.)

2 The list shows all measurements matching your selection criteria. When a large number of measurements match the criteria, the list is not immediately filled, but you get a message in the list header.

1 Set up your selection criteria here: time range, type, test bench and so on.

Enter part of a serial number and set the check mark to filter for measurements according to this serial number.

Additional selection criteria can be defined here.

From: 01.10.2015 16:00:00

To: 31.12.2015 15:59:00

Type: BLZ, BKY

Bench: any (*)

Aggregate measured in mode: any (*)

Serial number: []

Category: [] Value: []

Result: [] any (*)

[] any (*)

[] any (*)

[] any (*)

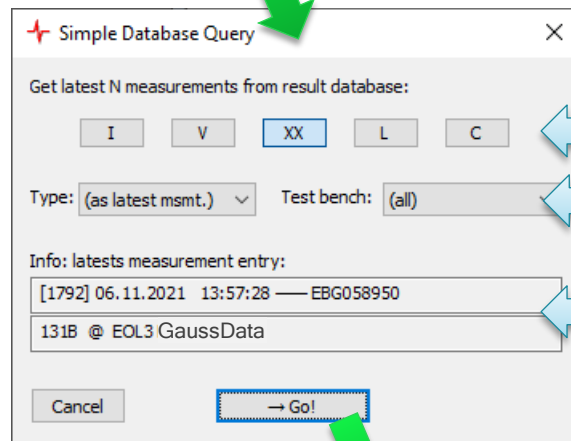
[] any (*)

[] any (*)

Buttons: Reread DB-tables, Close

Simple Database Query

If you simply want to load the latest 20 measurements from the result database without advanced filter options, you can use the *Simple Database Query* function:



Select how many measurements you want to load:
1, 5, 20, 50 or 100

You can simply use the type of the most recent measurement or select a specific type and test bench.


Here you can see the information about the most recent measurement (so you know which type you get).

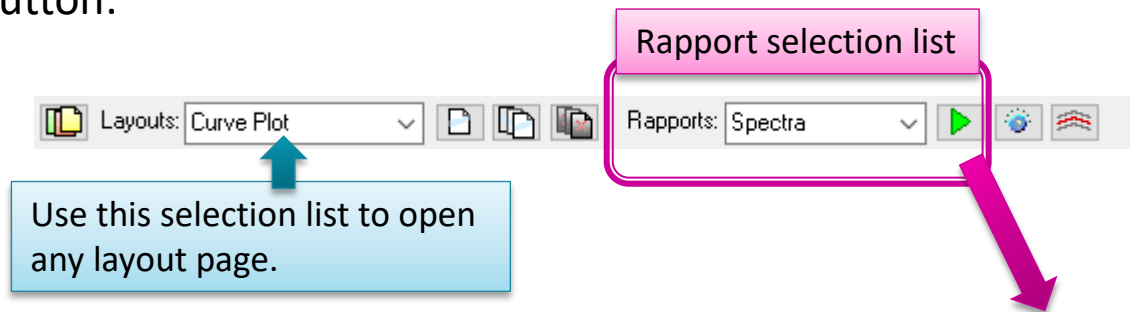
Measurements are loaded and added to the existing list of measurements.

You can have measurements loaded from archive files and from the database simultaneously in your *List*.

Displaying Data with Rapports

A “Rapport” is similar to a macro or simple program. It brings certain data onto certain layout pages (for example, all order spectra for one test step onto a page with six curve plots).

To use a Rapport, simply select it from the list at the right end of the toolbar and press the Start  button:

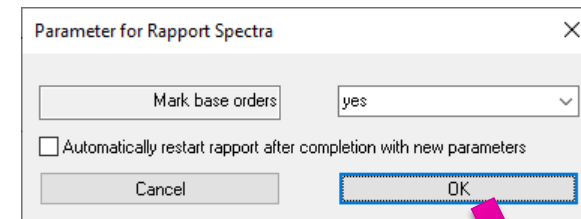


Many Rapports will ask for parameters when started (like the test step to be displayed).

Make your choices and press [OK].

Rapports are project specific. Typically, a project will contain Rapports for the most common analysis tasks.

You can ask Discom to add or modify Rapports or do it yourself. (Please refer to the separate documentation.)



Layout pages are opened and filled with data.

Displaying Data Manually

If you want to display specific data which are not covered by a Rapport, you can place them manually onto a Layout page.

1. Open the Data tab in the Control window.
2. Unfold the Contents tree and select the node which represents the data you want to display.
3. Press button [Show 'X' in..]

The 'Graphics modules' tree represents all layout pages and all graphics modules within.

4. Select the graphics module you want to use for displaying your data and either double-click or press button
5. Press [Apply] or [OK].

1. Open the Data tab in the Control window.

2. Unfold the Contents tree and select the node which represents the data you want to display.

3. Press button [Show 'X' in..]

6. Press button [Display 'X']

Open the according layout page to see the graphics.

For updating the display, you only need to press the [Display 'X'] button again.

Assign Graphics

Spectra / Steady / Input Shaft (Mix,VS) / Spectrum / Max

Graphics modules

[1]: Spectra-1
Plot1
Plot2
Plot3
Plot5

[2]: Spectra-2
Plot1
Plot2
Plot3
Plot5

[3]: Spectra_8_coast
[4]: Spectra_8_drive
[5]: Reports
[6]: Spectrogram
Spektrogramm
Kurvenplot

[7]: Spectro-TS
Spektrogramm
Kurvenplot

[8]: Curve Plot

Show in: [2] Plot2

Colours:
0 [black]
1 [red]

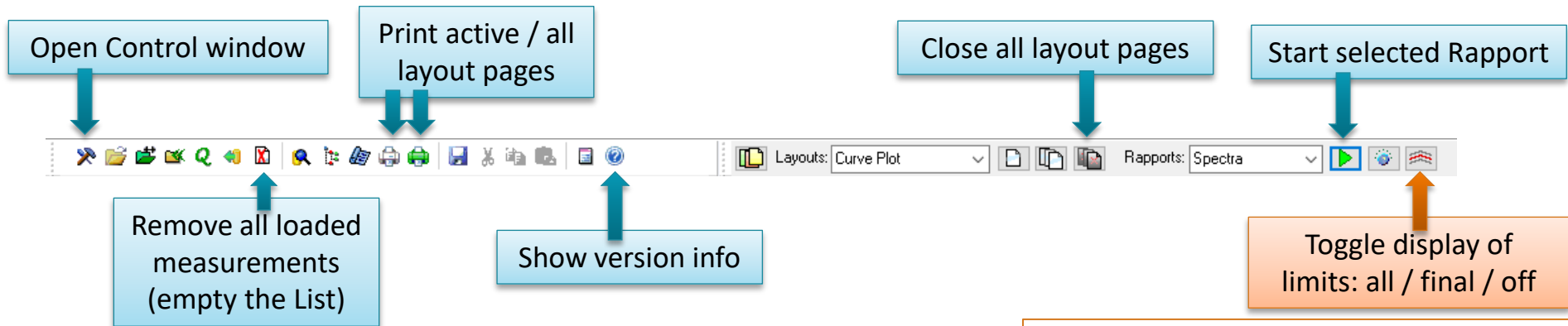
Apply
OK

You can display the same data node in multiple graphics modules.

Manual graphics assignments are released when your start a Rapport.

Some Useful Buttons

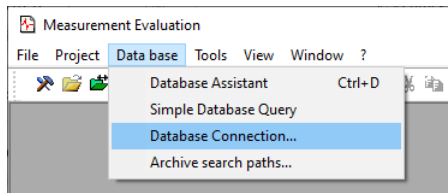
Buttons in the toolbar of Presentation app:



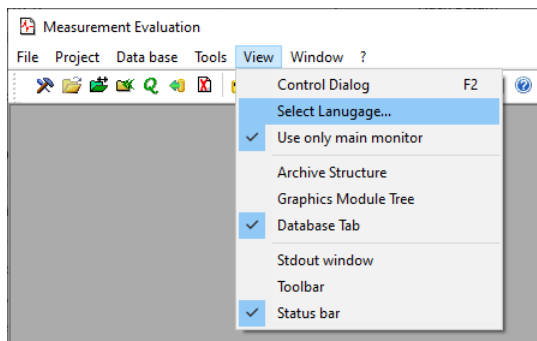
There are three states for displaying limit curves:

- Show the limit curves for all loaded measurements,
- Show only the limit curve of the last measurement,
- Show no limit curves.

This button toggles between the three options. Values (curves) for which limit evaluation is switched off in parameter database do not have limit curves.



Connection to result database and associated archive search path are specified here.




You can change the user interface language for Presentation here.

If you are using more than one monitor connected to your computer, you might want to switch off the “use only main monitor” option.

Working with Curve Plots

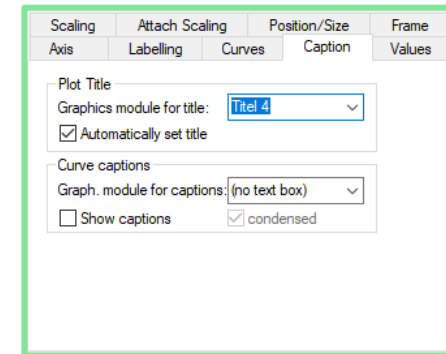
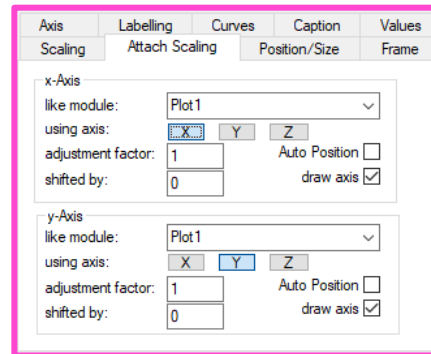
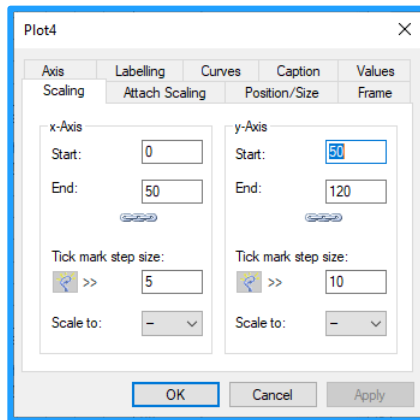
In general, double-click on any graphic module will call up the settings for that module.

Curve plot modules have very large set of display parameters, including the scaling settings.

The first section is 'Scaling', where you can adjust the x and y axes. The chain symbol  shows that the scaling is linked to another plot module.

Go to 'Attach Scaling' to connect the scaling settings of one plot to another.

A plot module can show an automatic title in a text box module. Go to the 'Caption' section to activate this function and select the text box.

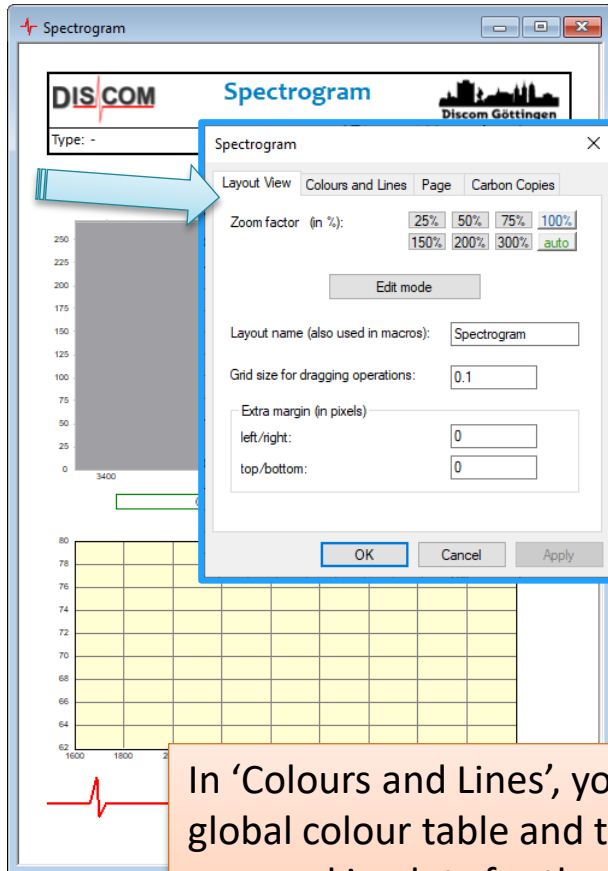


Bring a layout window to foreground and place the mouse cursor inside a plot module. Then you can use the keyboard arrow buttons or the mouse wheel to scroll through the data. Use Shift + mouse wheel for x axis scrolling and Ctrl + mouse wheel for scaling zoom.

(If you have attached the scaling of a plot to another plot, you have to use the function on that other plot.)

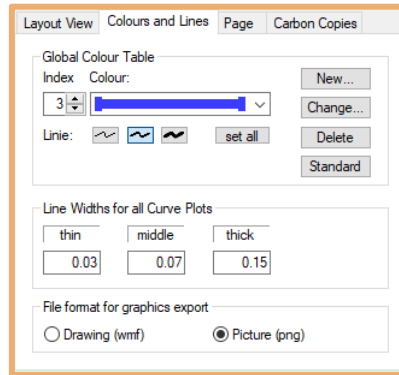
Working with Layout Pages

Open the settings for a layout page by double-clicking somewhere outside of all graphic modules.

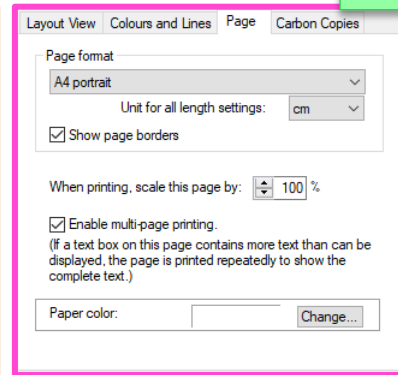


In 'Layout View' tab, you can set the zoom factor for page display. 'auto' will scale the page to fit into the window. You can also activate Edit Mode here.

Edit Mode
If you want to change the layout page content itself (move or resize graphic modules, add new ones, etc.), you have to switch on Edit Mode. This will disable some functions like scrolling in plots with the mouse wheel, so make sure to switch off Edit Mode after you are finished.



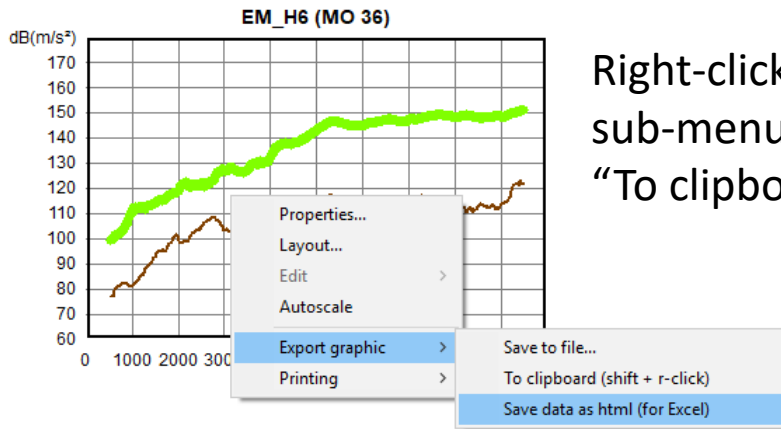
In 'Colours and Lines', you can change the global colour table and the line widths which are used in plots for the different colors. The colour table is global for the project, so you can change it in any layout page and it will apply for all pages.



In 'Page' you select the paper format and orientation to use for your page. If the layout content does not fit within a standard paper for printing, use the Scaling option to make it fit.

Exporting Graphics

Instead of taking screenshots from Presentation app displays, you can directly export the graphics in high resolution.



Right-click into any graphic, open the “Export” sub-menu and choose either “Save to file” or “To clipboard”.

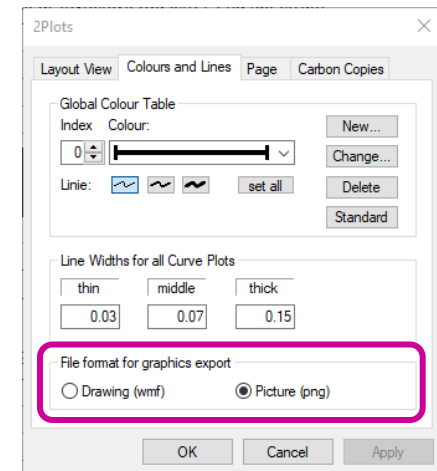
Convenient shortcut:
Shift + right-click into a graphic to directly copy it to the clipboard.

The graphic can be exported either as picture (in png format) or as drawing (wmf format).

If you plan to paste the graphics into a PowerPoint presentation, email or other document, png format is the most suited format.

Vector graphics are scalable to very large dimensions but can consume a lot of memory and will not convert properly to pdf.

Open the page settings of any page (double-click into an empty part of the page) and go to the *Colours and Lines* tab to select the graphics export format.



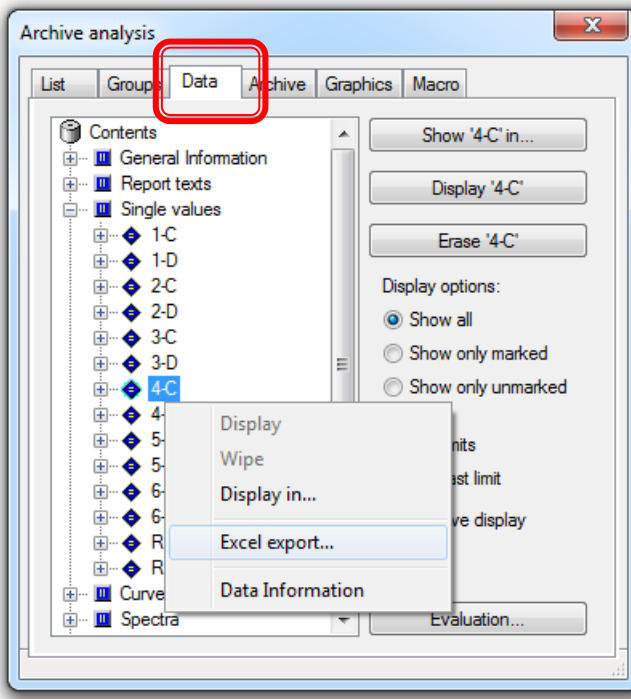
Exporting Data for Excel

Load the measurements from which you want to export data into Presentation.

If you want to export single values, you can proceed directly.

If you want to export curve data, you may have to display the curves in order to load the data into memory.

Open the Control window, switch to the “Data” tab and expand the Contents tree:



Right-click onto the node you want to export.

You can select a base node like “Spectra” or “Single Values”, or a sub-node.

From the context menu, choose the command “Excel Export...”

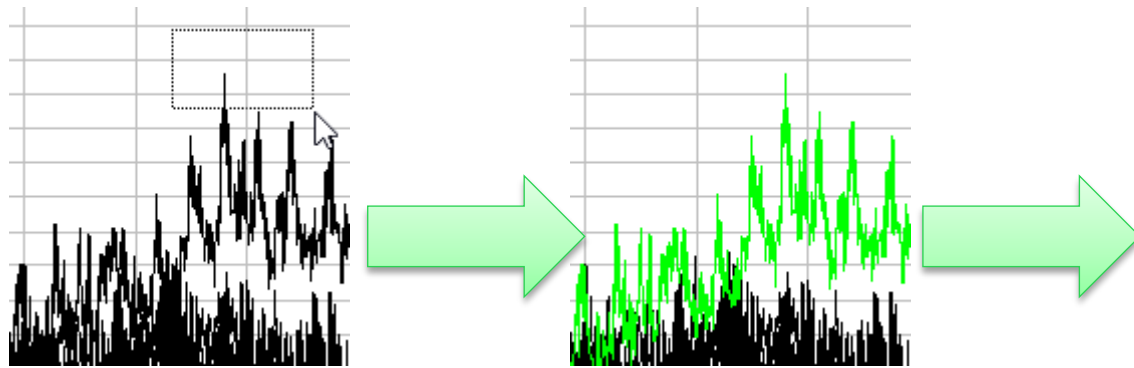
The export result is a text file of type html which can be viewed with a web browser.

Right-click on the file and choose “Open with – Excel” from the Windows Explorer context menu, or open the file directly with Excel.


Read the dedicated manual for Excel Export from Presentation (see page 21) for more details and additional options.

Selecting Curves with the Mouse

Display curves in a plot. Hold the Shift key and left mouse button, then drag a rectangle inside the plot. All curves passing through that rectangle will be marked (see page 8), all others un-marked.



Time	Ser
13.07.2022 16:07:03	001
13.07.2022 16:57:13	310
13.07.2022 17:00:30	310
13.07.2022 17:03:47	310
13.07.2022 17:22:27	310
13.07.2022 17:37:20	001
13.07.2022 17:47:59	123
13.07.2022 18:30:44	007
13.07.2022 18:44:57	008
13.07.2022	007
13.07.2022	008

In the list of measurements, you can use further operations on the marked measurements by right-clicking on a row and calling up the popup menu. Perform a new, empty selection or use button  above the list to un-mark all items.

Time	Serial number
13.07.2022 17:47:59	123

- Mark this item
- Add to marked items
- Mark no items
- Marks/General >
 - Mark all items
- Group >
 - Use filter...
 - Invert marking
- Hide item(s)
- Un-hide all items
- Remove from List
- Archive features >
 - Group marked items
 - Hide marked items
 - Export marked to archive
- Item origin?
- Copy list to Clipboard
- Measurement information

If curves in the rectangle do not get marked, try re-displaying the curves or re-running the Rapport.

Using Groups

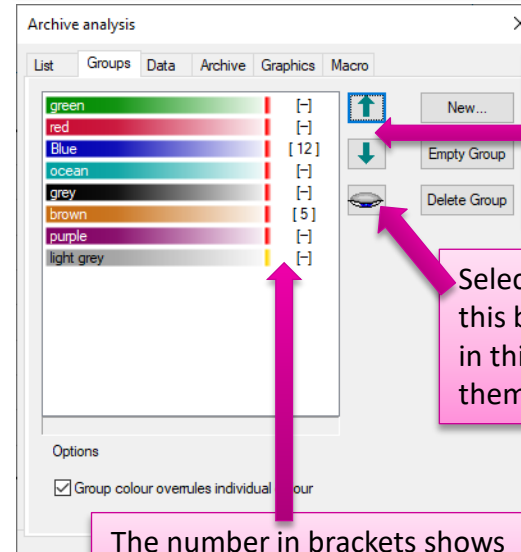
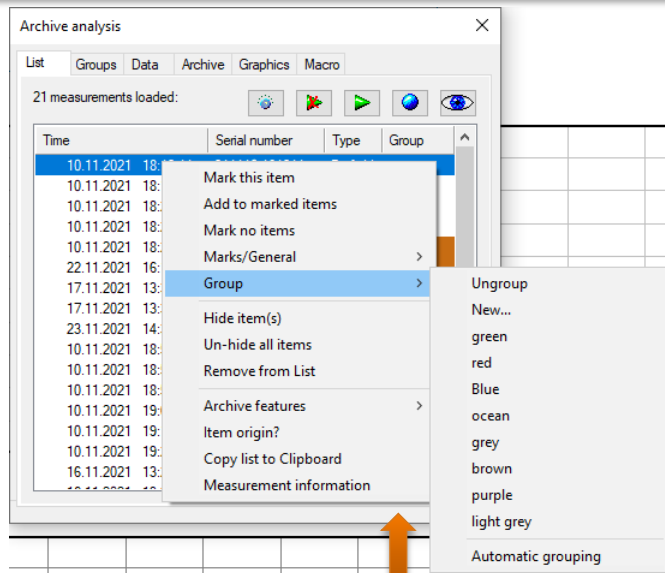
By sorting measurements into groups, you can compare different batches of test runs.

In the list of measurements, select one or more rows and right-click on one of the selected measurements.

Open the sub-menu Group and choose a group. The measurements will be placed in that group.

Go to the Groups tab in the control window to change your groups.

Double-click on a group row to change the name and colors. Press button [New...] to create a new group.



Use these buttons to change the group order. Measurements in groups at the bottom are plotted last = in the foreground.

Select a group in the list and press this button to hide all measurements in this group. Press it again to make them visible.

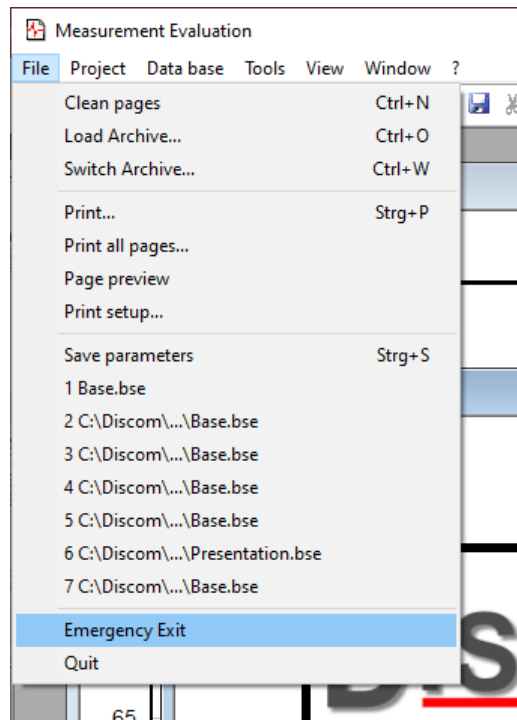
The number in brackets shows how many measurements are in that group.

See page 8 on how to get the Group as a list column. Click into a column head to sort by that column.

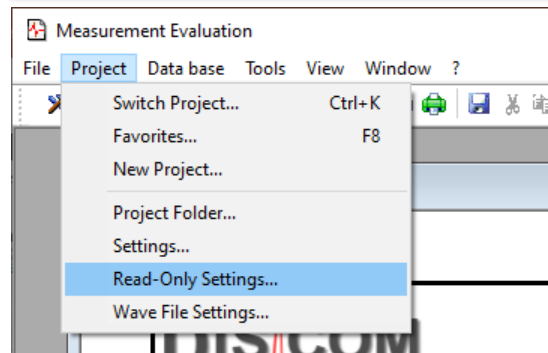
What if I messed up?

As explained on page 5, Presentation automatically saves all changes when you close it.

If you messed up something, e.g. inadvertently moved or deleted graphic modules, use the *Emergency Exit* command in File menu:



Go to menu Project – Read-Only Settings to write-protect some aspects, e.g. window positions or layout page content. You still can change things while Presentation is open, but the changes will not be saved.



See page 3 on information about the project folder. Simply copy that folder to create a project backup.

If you want to restore that backup, just replace the project folder with the copy.

Where can I learn more?

Visit <https://download.discom.de/Presentation> and scroll down to the Manuals section. There you can find several short manuals about different topics.



https://download.discom.de/Presentation/Index.php

Handbücher  **Manuals**

Deutsche Handbücher zum Präsentationsprogramm:

- [„Präsentations-Schnellstart“](#)
- [Umfassendes Handbuch des Präsentationsprogramms](#)
- [Handbuch über die Präsentations-Grafik](#)
- [Kurzanleitung: automatisches Gruppieren](#)
- [Kurzanleitung: Abfrage-Assistenten](#)
- [Referenz für Rapport-Befehle](#)
- [Kommandozeilen-Argumente für das Präsentationsprogramm](#)

English Presentation manuals:

- [Presentation Manual, English](#)
- [How to use Statistics and Excel export](#)
- [How to export the list of measurements](#)
- [How to use the Evaluation Wizard](#)
- [How to work with query assistants](#)
- [How to: automatic Grouping](#)
- [Command Line Arguments for Presentation.exe](#)

International Presentation manuals:

- [Presentation Manual, Español](#)
- [Presentation Manual, Italiano](#)
- [Presentation Manual, Français](#)

If you cannot find the information you are looking for, reach out to Discom, and we will be happy to help you.