



New Features in ibaDaVIS v2.2.0

Author: iba AG - Fürth

Date: April 2019

Table of contents

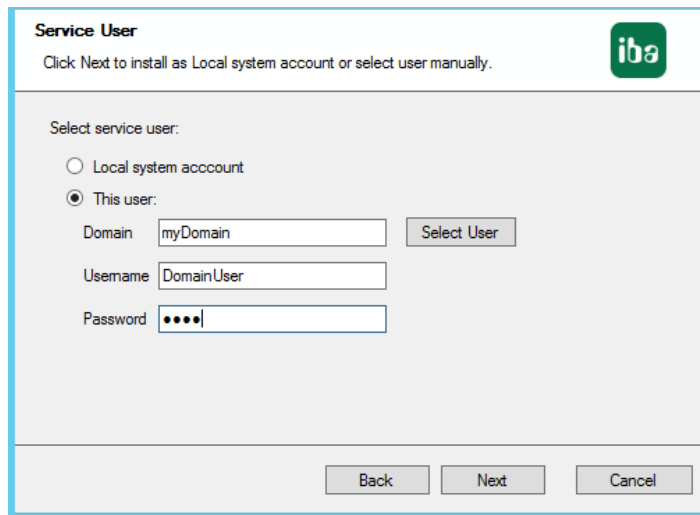
1	Installer	3
1.1	Running under windows user account	3
1.2	Start in browser after installation	3
2	Data source.....	4
2.1	Configuring alias names, units and displayed decimal places.....	4
2.2	Alternative replacement of dat file path and pdf report path	5
2.3	Support of Oracle DB	5
3	New tile type – Bullet Graph.....	6
3.1	Configuration.....	6
4	Improvements.....	7
4.1	Copy Dashboards.....	7
4.2	Copy tile on dashboard.....	7
4.3	Axis settings in trend chart	8
4.4	Support of length based signals from dat files	9
4.5	Ident in dat file view	10
4.6	Show column or signal name on dashboard	10
4.7	Export of table content as CSV file	11
4.8	Download of the selected dat files or pdf reports as zip	11
4.9	Visualize deviations by using the Gauge	12

1 Installer

1.1 Running under windows user account

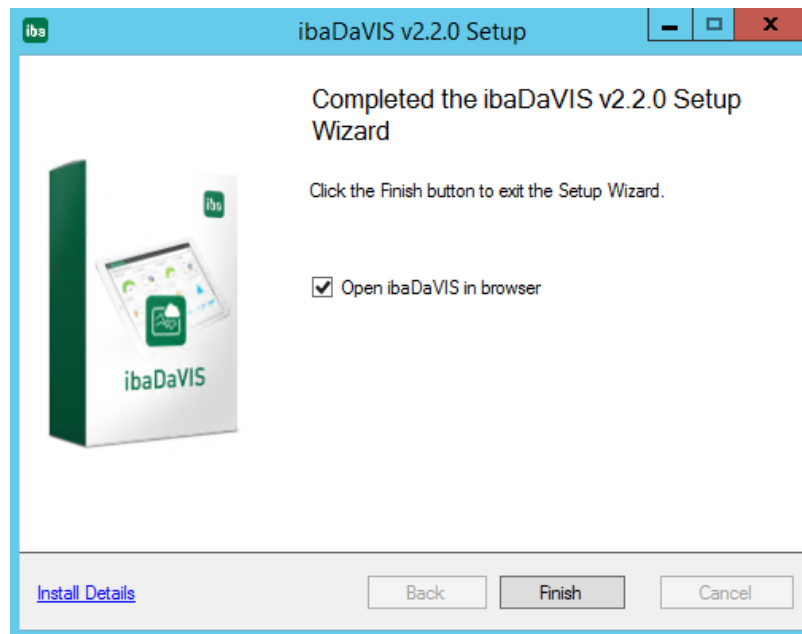
You need to select this option if the server has to access other computers in the network. This is the case, for instance, if the data files are to be stored on a file server in the network and not on the local computer.

The user account you specify here must have administrator rights on all computers involved.



1.2 Start in browser after installation

The installer offers to open the ibaDaVIS in the standard web browser on your desktop after finalizing the installation.



In case the ibaDaVIS service did not start correctly a message is displayed and the option to *open ibaDaVIS in browser* is disabled.


2 Data source

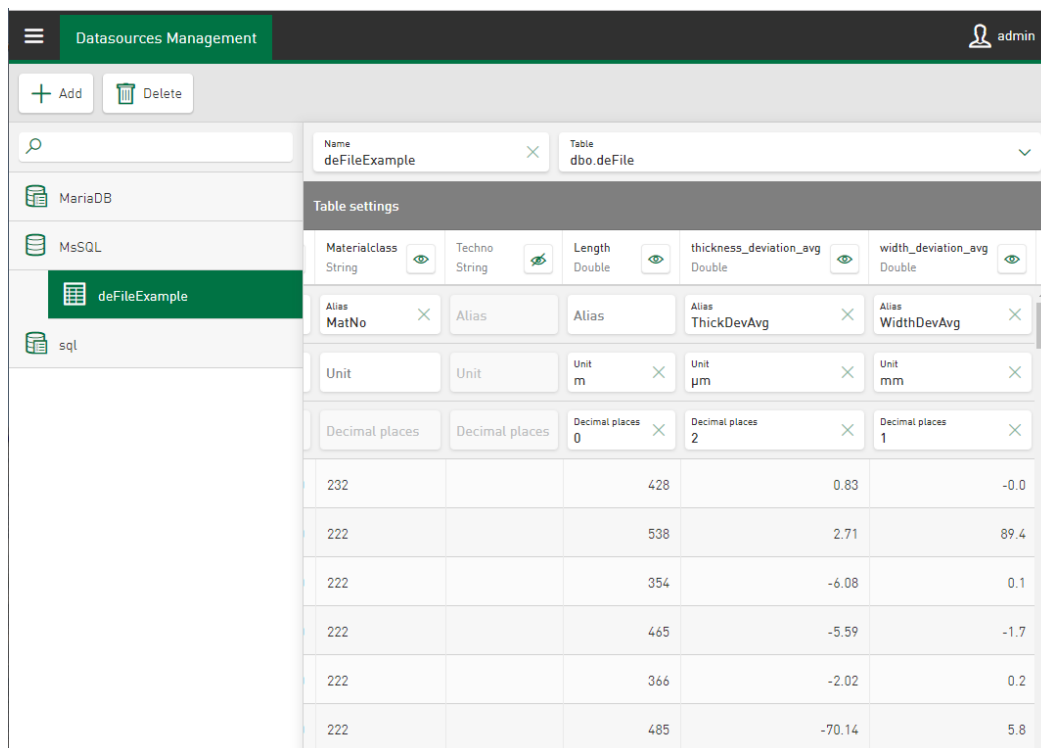
2.1 Configuring alias names, units and displayed decimal places

In this version it's possible to configure an alias name for the column names of the selected data table at the data source configuration. The alias name will appear instead of the column name on the tiles on your dashboard.

It's also possible to add a unit to the edited column. The unit will be displayed together with the name in case it's used for a trend or histogram.

If your selected table includes float values you can define how many decimal places will be displayed at the table and at other tiles when the column is selected.

Clicking to the eye button  will hide the column on the column selection on your dashboard tile.



Materialclass	Techno	Length	thickness_deviation_avg	width_deviation_avg
String	String	Double	Double	Double
Alias: MatNo	Alias	Alias	Alias: ThickDevAvg	Alias: WidthDevAvg
Unit	Unit	Unit: m	Unit: µm	Unit: mm
Decimal places	Decimal places	Decimal places: 0	Decimal places: 2	Decimal places: 1
232		428	0.83	-0.0
222		538	2.71	89.4
222		354	-6.08	0.1
222		465	-5.59	-1.7
222		366	-2.02	0.2
222		485	-70.14	5.8

2.2 Alternative replacement of dat file path and pdf report path

Enable this option if your dat files or reports are stored at a different location than the extraction folder. For example if you have copied the dat files manually to another drive or computer.

The screenshot shows the 'Datasources Management' window. On the left, a list of data sources includes 'MariaDB', 'MsSQL', 'deFileExample' (selected), and 'sql'. The main area displays the configuration for 'deFileExample'. The 'Name' field is 'deFileExample' and the 'Table' is 'dbo.deFile'. Below this is a 'Table settings' section with columns for '_FileName' (String), '_FileType' (String), '_Complete' (Digital), and '_ErrorOr' (Digital). There are also fields for 'Alias', 'Unit', and 'Decimal places'. A table of data is shown with two rows of timestamps and file paths. At the bottom, the 'Options' section has two checked options: 'Replace dat files path' and 'Replace pdf reports path'. Both have 'From' and 'To' fields. The 'Replace dat files path' option has 'From' as 'C:\dat\Stahl' and 'To' as 'D:\Archive\dat'. The 'Replace pdf reports path' option has 'From' as 'C:\dat\Stahl' and 'To' as 'E:\Report'. There are 'Test dat access' and 'Test pdf access' buttons next to each option.

2.3 Support of Oracle DB

In this version it's possible to add a table as data source from an Oracle database server.

The screenshot shows the 'Test connection' dialog box for an Oracle database. The fields are: Name (oracle), Database Type (Oracle Database), Server (127.0.0.1), Port (1521), Database Name (xe), User (iba2), and Password (masked with dots). A 'Test connection' button is at the bottom. A green 'Test result:' dialog box is overlaid on top, displaying 'Database connection succeeded' and an 'OK' button.

3 New tile type – Bullet Graph

The Bullet Graph is displaying the Maximum, Minimum, Average and last value of one selected database value in a horizontal bar.

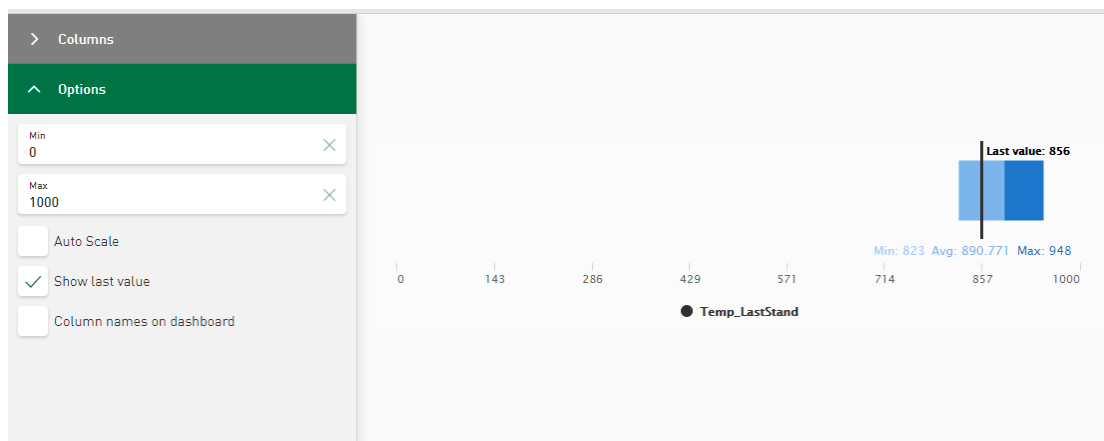


3.1 Configuration

Add a Bullet Graph by selecting *Bullet Graph* as tile type

As for the tile histogram or gauge it's possible to select one column.

The Minimum, Average, Maximum and last value of the currently filtered range is displayed.

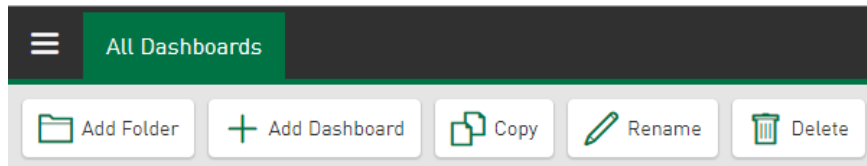


As for the gauge the default range is set from 0 to 1000. Change the min and max values to visualize the data in a fixed value range.





4 Improvements

4.1 Copy Dashboards

Clicking on the button copy on the dashboard navigation page will create a copy of the currently selected dashboard.



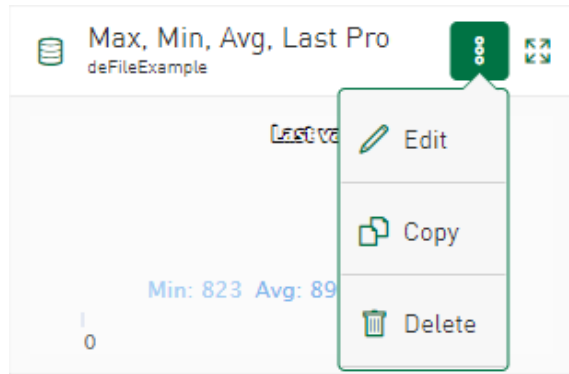
The new added dashboard copy is named as the original one with name appendix “_1”. The copy is added at the same folder level as the original dashboard.

Name	Type
 All Dashboards	Folder
 copy test folder	Folder
 myDashboard	Dashboard
 myDashboard_1	Dashboard

4.2 Copy tile on dashboard

You can copy each tile on your Dashboard by switch to edit mode, open the menu by clicking

on the menu button  and select the menu item *Copy*.



The tile copy will be added on your dashboard and get the same name as the original tile with the appendix “_1”

4.3 Axis settings in trend chart

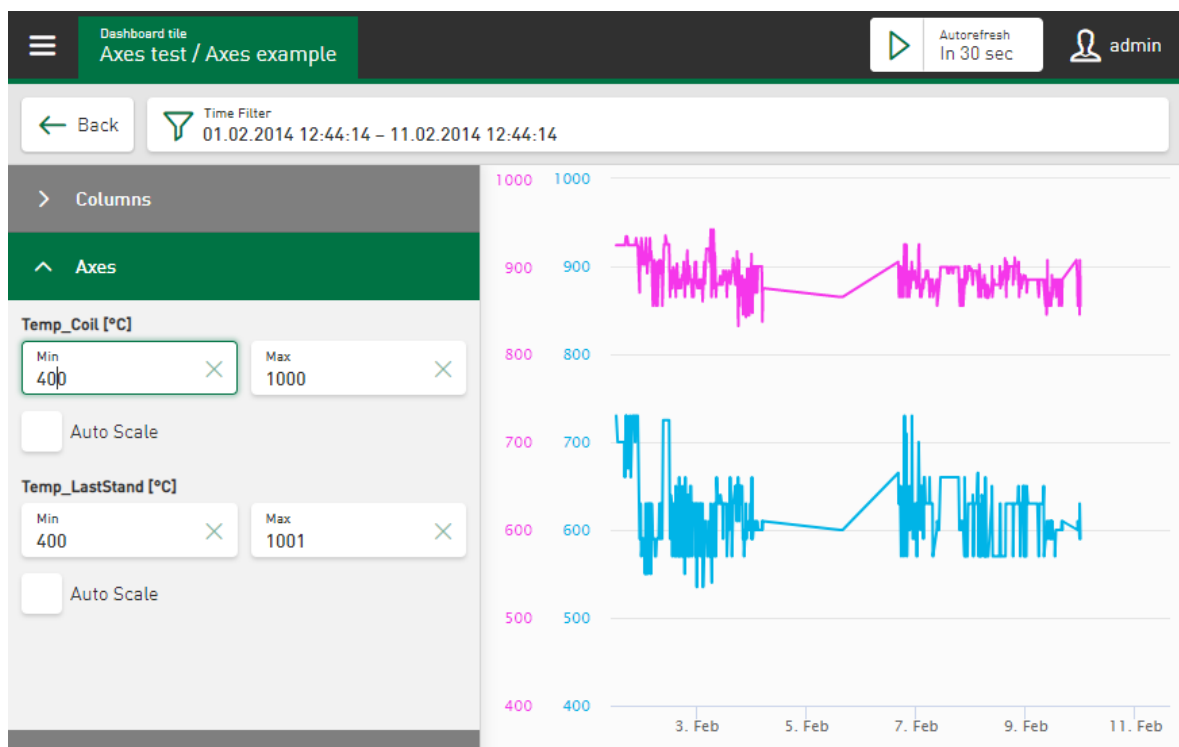
In this version it's possible to join multiple trends on one y axis.

You can manage the y axis settings of the visualized trends in the tab *Axes*.

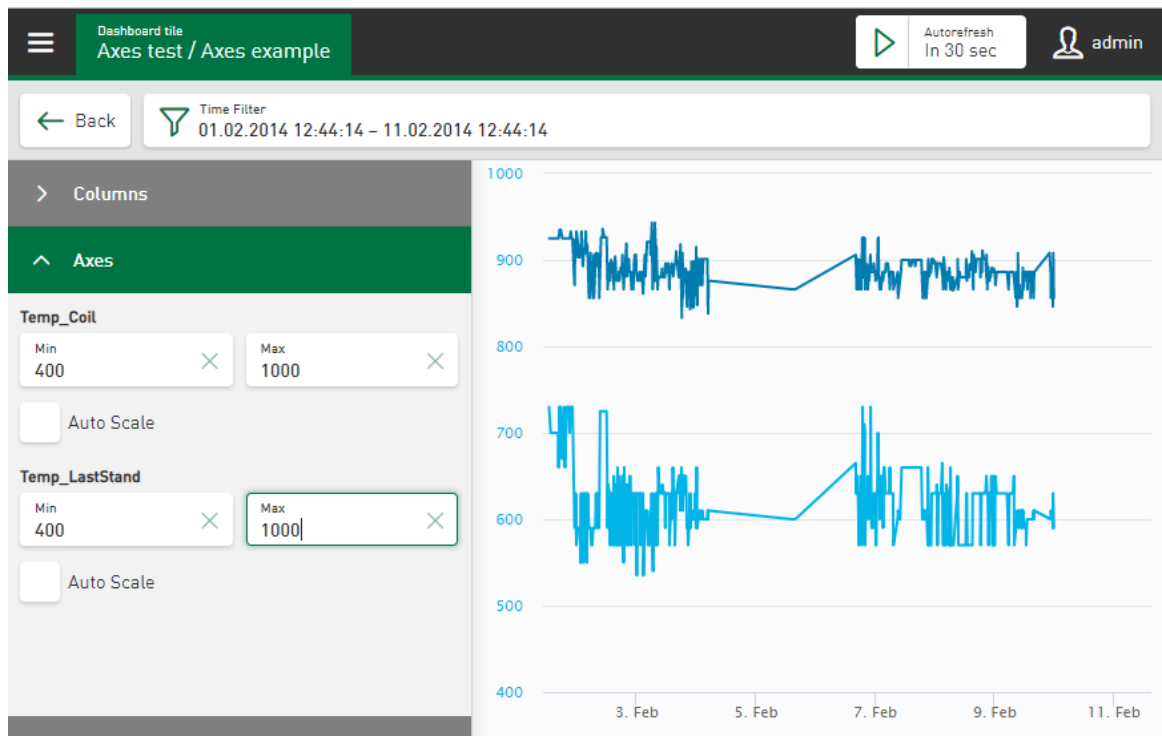
Trends which have the same unit are joined on the same y axis by default.



If you want the trends to be displayed on a separate y axis you need to give them a manual individual scaled axis.

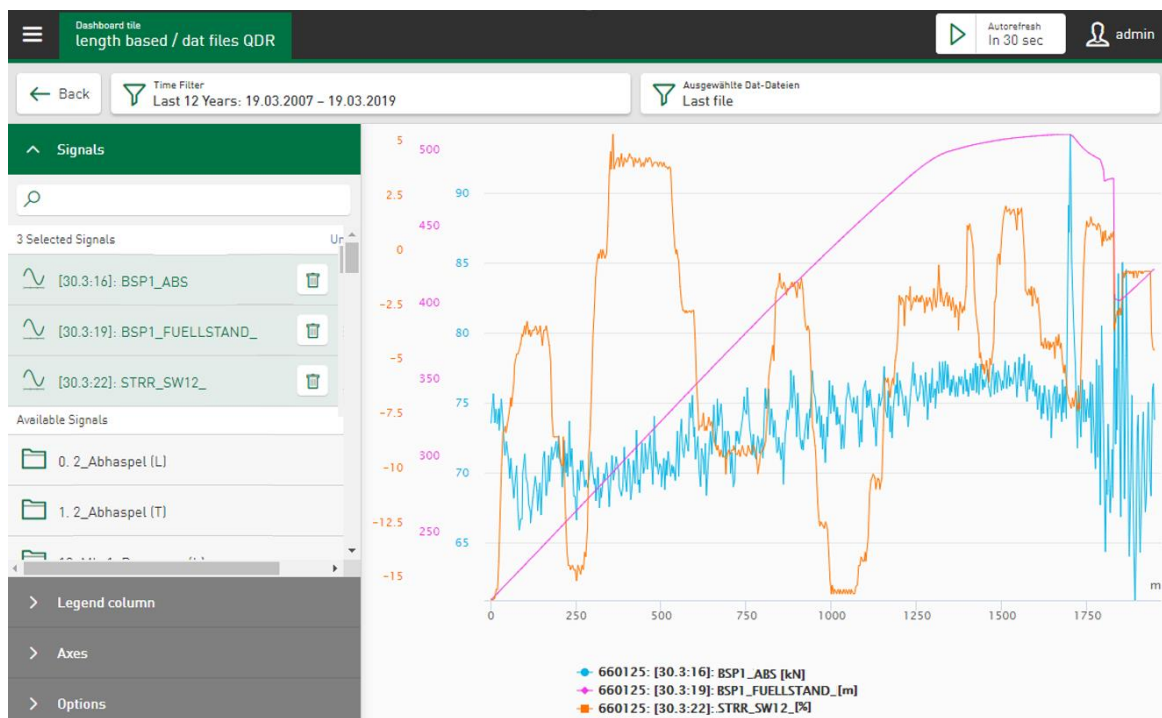


If you want to put trends which have not unit to be displayed on the same axis you need to give them the same manual scaling.



4.4 Support of length based signals from dat files

This version supports the visualization of length based signals from dat files.



The signal tree shows time based and length based signals in separated modules. The modules containing time based signals having (T) attached to the module name and modules containing length based signals having (L) attached to the module name.

Length based signals are visualized with the following symbols in the signal tree:



Length based digital signal



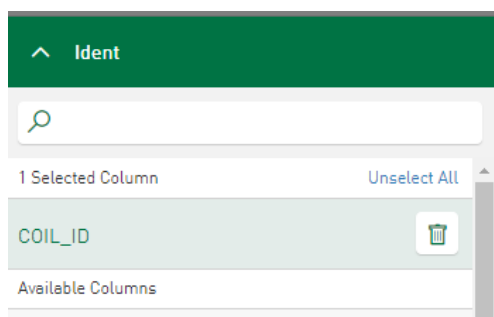
Length based analog signal

In case length based signals are selected the x- axis is displaying the signals over length in m starting with 0 m.

Time based and length based signals cannot be displayed together in one chart. The chart will be cleared when you select a time based signal and have already length based signals in the chart.

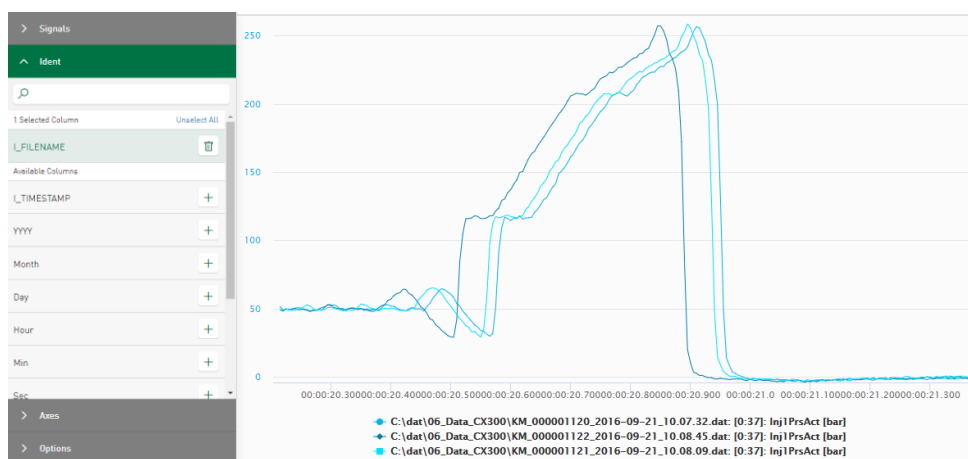
4.5 Ident in dat file view

The dat file view tile provides the option to select an identification column from the data source. The provided columns are read from the data table and displayed at the tab *Ident*.



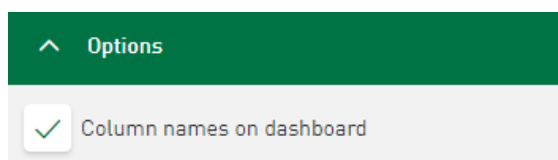
Best practice: Switch the dat file view mode to stacked view. Then select your identifier column.

Together with the signal name, the identification value of the currently shown dat file signals are displayed at the legend.

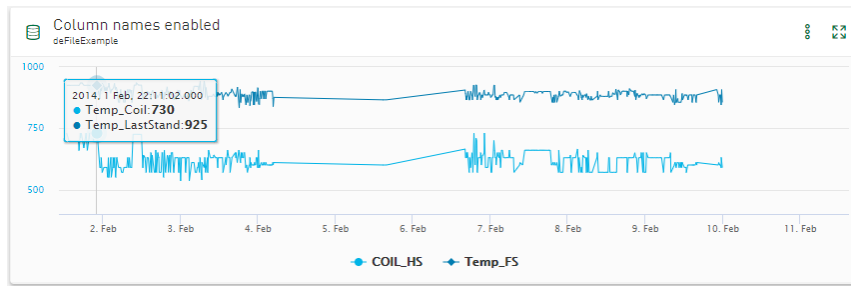


4.6 Show column or signal name on dashboard

Each tile provides the option to show *Column names on dashboard*.



Enable this option if you want to visualize the names of the selected columns permanently on your dashboard.



In case your tile type is *Dat file view* you can visualize the signal names on your dashboard.

4.7 Export of table content as CSV file

Dashboard tiles of type table offer the export of the visualized data as CSV file.

You can reach the CSV export menu item by clicking on the download symbol at the tile header on your dashboard.

Coil	Thickness	Temp_LastStand	Temp_Coil	Length	ThickDevAvg	WidthDevAvg	Download
69553	351	925	730	610	-3.40	0.1	DAT PDF
69557	351	925	730	577	0.02	0.3	DAT PDF
69558	351	925	730	577	0.20	0.7	DAT PDF

The CSV file will contain columns which are currently displayed at the table.

4.8 Download of the selected dat files or pdf reports as zip

It is possible to download multiple dat files at once as zip file. Use the checkbox in the table to select the file individually or select them all at once by clicking on the select box in the table header.

	Download
0.1	DAT PDF
0.3	DAT PDF
0.7	DAT PDF
-0.1	DAT PDF
-0.1	DAT PDF <input checked="" type="checkbox"/>
0.4	DAT PDF <input type="checkbox"/>
-1.1	DAT PDF <input checked="" type="checkbox"/>
0.2	DAT PDF <input checked="" type="checkbox"/>
0.5	DAT PDF <input type="checkbox"/>
0.4	DAT PDF <input type="checkbox"/>

You can reach the download as zip menu item by clicking on the download symbol at the tile header on your dashboard.

4.9 Visualize deviations by using the Gauge

In this version the start of the colored area is set to “0”. This feature enable the gauge to visualize deviations.

