Janitza E-Learning Portal

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Manual



Janitza®

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These instructions explain how to create a limits, events and transients report in the Software GridVis Desktop.

Content

- Range of functions of the limits, events and transients report
- Configuration of the export
- Carrying out the export



1 Range of functions and layout

The limits, events and transients report (LET report) is specialized for the output of threshold value violations (limits), events and transients.

In addition to an area with general information, the report consists of the following four elements, which can be optionally integrated in the report:

- Histogram
- Heatmap
- Detail tabs
- Detail tabs per device
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Included in the general information is an overview of the measuring points included in the report, the reporting period, and number and type of anomalies that occurred. The distribution of the anomalies that occurred to the phases and the distribution of the categories are presented as pie charts.

Up to four measuring points (devices) are sorted in descending order in the ranking, presented according to the number of anomalies that occurred. The weighting of the different anomaly types can be adjusted in the ranking.

Ex works, the weightings are as follows:

- Limits: 1
- Events: 0.5
- Transients: 0.1

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In the heatmap, the anomalies that occurred for each measurement device are presented in the next smaller time unit. Depending on the report type, this is weeks, days or hours.

Threshold values can be defined for each of the three anomaly types during the report, which control the color highlighting of the table cells.



In the histogram, the distribution of the threshold value violations that occurred, the events and the transients are presented as a bar chart on the next smaller time unit.

The points between two Y-axis values are summarized. The bar that contains the highest value per time unit is highlighted in red.



2 Creating a new data export

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Right-click the Exports & Reports tree item.

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Click the Create data export menu item.



3 Create a new export config

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Click the **Script** dropdown button.

🌆 Create a new export config		×
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Click the Limits, Events & Transients Report list item.

Create a new export config		×
Steps 1. Select a script 2. Choose devices 3. Time Period Settings 4. Define Report Structure 5. Threshold Values 6. Functionality Details 7. Choose file to save	Script Limit, Events & Transients Report With the help of the histogram, the anomaly can be viewed and evaluated over a longer period of time. The anomalies are different in color and can be separated considered from each other. The user can see at a glance and with the help of the heatmap which measuring points are most affected and at which point in time the anomalies occurred. The detailed overview shows in descending order how the anomalies progressed (with time stamp). Each line provides detailed information about this overview. In addition, the concentration of anomalies occurring in the individual phases can be detected here. The detailed overview per device is displayed in a separate tab or as an attachment.	 ▲ ▲ ▲
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Click the **Next** button.

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In this step, the checkboxes are used to select any number of measurement devices that are to be included in the report.

Click the **Next** button.

Leate a new export config		×
Steps	Time Period Settings	
 Select a script Choose devices Time Period Settings Define Report Structure Threshold Values Functionality Details Choose file to save 	Report Creation Should report creation be automated? Time instant for Report Creation Please note: A time instant for automated creation can be added by means of GridVis Time Management	Monatlich
	Report Timescale Choose a timescale to be included by the report Should the current day get included? Selected time range:	Last 7 days Yes No 8/14/18 - 8/20/18 (12:00 AM - 11:59 PM)
	< 8 1 Next >	Finish Cancel Help

In the **Report Creation** area, you can have the report created automatically.



In the **Report Timescale** area, you can select time periods from a list over which the report will be created.

Click the **Next** button.

2 Click the	sort devices alphabetically	dropdown button.
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Click the Device Order list item.



i The **Global link** option links each measuring point with the address entered in the text field.

🌆 Create a new export config



Steps	Threshold Values	
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1 Click the **Report Selection** dropdown button.

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		B Power B Energy B Total harmonic distortion B Flicker	2
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Select a template from the list, or create a new template under the entry **User defined**, which can also be saved.



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	□ □ Voltage effective (6)				
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To customize the report, select the respective measured value from the list.

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Leate a new export config						×
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	THD U L1-L3	0 %	*			
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Threshold value violations that are not relevant due to the set significance do not appear in the heatmap and histogram and are marked in gray in the detail tabs.

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In this step, the threshold values for the color highlighting in the heatmap is configured by entering the desired threshold value in the respective shaded text field.

If desired, the weighting for the ranking is adjusted here.

Click the **Next** button.

i The standard values for the weighting for the deviation types (anomaly types) are based on the average length of the respective anomaly.



1 Enter the storage location and name at this point.

The possible output formats include xls, xlsx and pdf.

Click the File action dropdown button.

🌆 Create a new export config		×
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Select a file action that will be executed if the specified file already exists.

- **i** Attach a date to the file name:
- **i** Creates an additionalfile and attaches the execution date of the report to the file name.
- **i** Overwrite existing file:
- **i** Overwrites an existing report. Edits made by a user in the document are lost.
- **i** Modify existing file:
- **i** Edits the data in an existing file. Adjustments that were made in the file are kept.



Create a new export config	X
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Click the **Finish** button.

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Click the **Ok** button.



4 Carrying out a new data export

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Right-click on the newly created export.

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Click the **Execute data export** menu item.



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5 Summary

Please enter your text here.

General information

The LET report presents threshold value violations, events and transients recorded in GridVis in various graphics.

Histogram

The histograms provide a rough overview for each of these three anomaly types of the distribution of the anomalies over the entire reporting period.

Heatmap

All measuring points considered and the number of anomalies that occurred there are recorded in the heatmap.

A color highlighting with threshold values can be configured here.