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Functional description

Measured value monitor

UMG 96RM-E

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Short description

With the “measuring value monitor” app it is possible to show online and historical measuring values in graphs on the website of a Janitza UMG device. Because of the user-friendly control, anyone can quickly and easily create graphs.

Most important features:

- Completely web based, you only need a web browser
- For usage on PC, Laptop, Tablets PC’s etc.
- Access to the most important live and historical measuring values
- Easy export of graphs
- Easy operation trough “drag and drop”
- Up to 6 measuring values in one graph (2 y-axes)

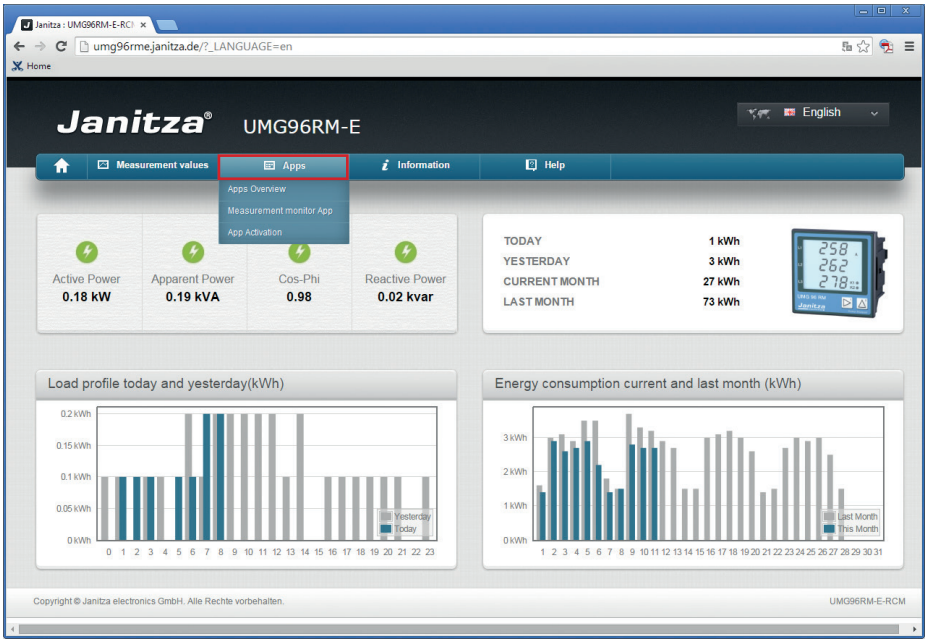
Access the app

- The app can be accessed via the website of the power analyser. The user can access this website by entering the IP-address of the power analyser in a web browser.

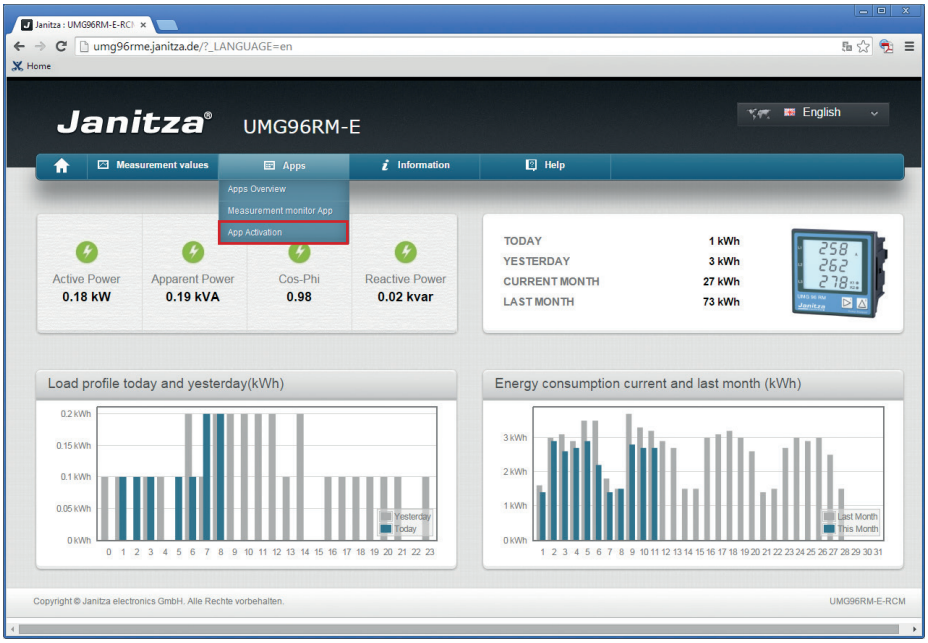
- For example: the IP-address of the power analyser is 192.168.0.21. If you enter this IP address in your browser and press *enter* you will access the internal website.



- There you can find the button app, and when you click on it a drop down menu appears with the installed apps.

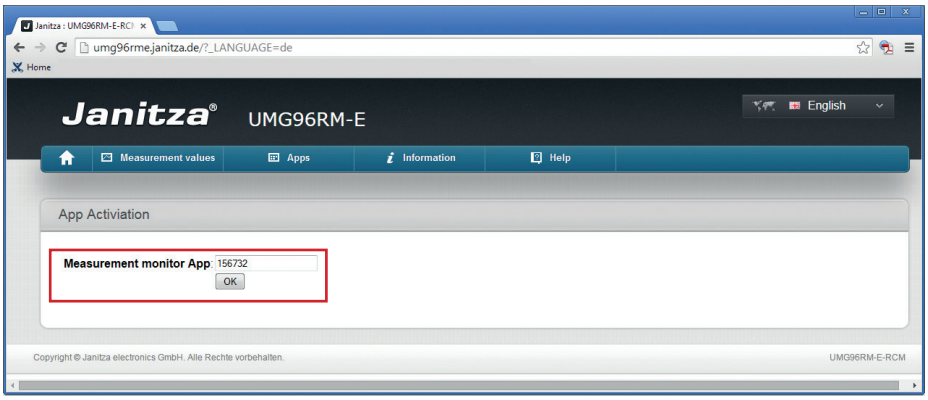


- Activate the app “*Measurement monitor”* via the menu item “App Activation”.



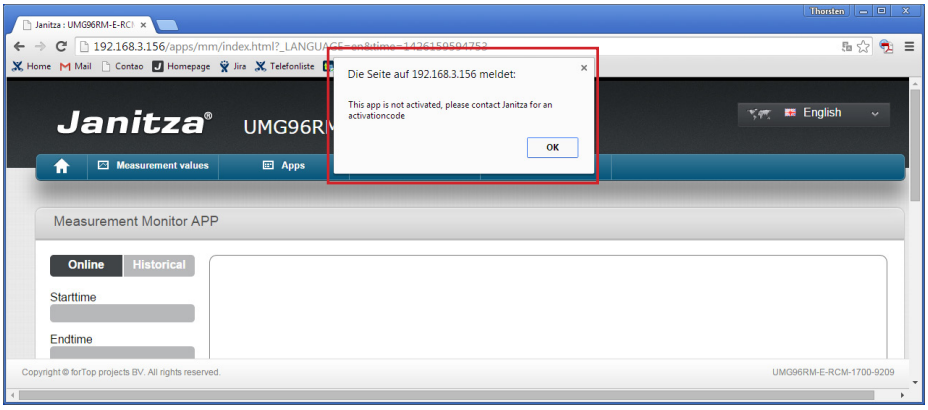
- Activate the App with the unlock code. Transfer this code in the appropriate field and confirm the input with “OK”.

  After entering the correct code, do NOT switch off the device for minimum 5 minutes.



- After a successful activation you can start the app “*Measurement monitor”* via the menu “App”

- If activation failes, a corresponding message appears when starting the APP.





Activation is affected by an activation code with costs.



After entering the correct code, do NOT switch off the device for minimum 5 minutes.

Access the app

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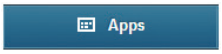
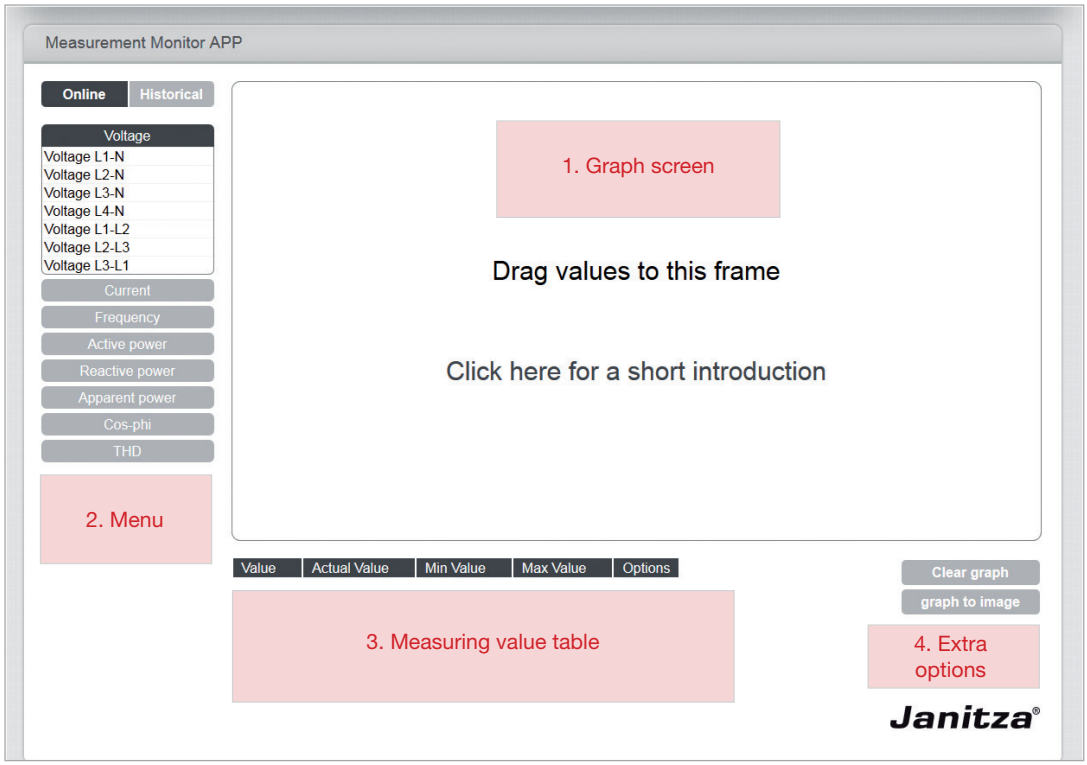


- When you click on measuring value monitor, the app will load.

Basic control app

In this chapter we will explain the basic control of the app.

- Lay out app screen
  When you open the app, the following screen will appear:



The app is divided in 4 parts:

1. **Graph screen:** You can drag measuring values to this screen. These values will be shown in this graph.
2. **Menu:** In the menu you can either select online or historical. You can also select the measuring value which you want to show in the graph.
3. **Measuring value table:** In this table you can find a quick overview of the measuring values you have added to the graph.
4. **Extra options:** Here you can either clear the graph, or save the graph in an image file.

- Selecting modus
  By selecting a modus you can switch between real-time and historical measurement values. When you switch you will delete the current selection.



Online: Real-time measuring values of the power analyser.
Historical: Historical measuring values which are saved in the internal memory.

- Showing measuring value in graph (online)
  To show a measuring value in a graph you need to select it from the menu.

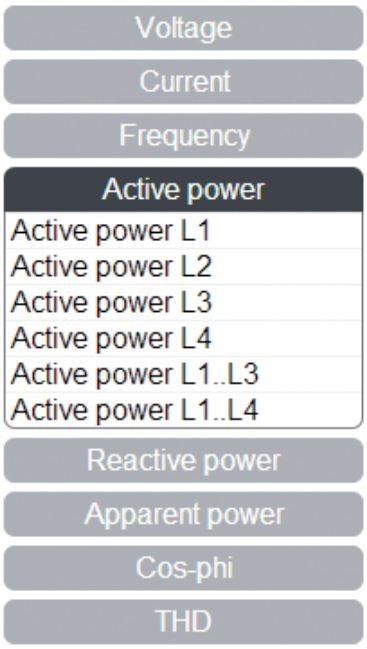
Select measuring value

You can select a measuring value from the menu by opening or closing the tabs. For example, when you need a value from the voltage category you will select “Voltage”. After this the menu will open showing all the available values to this category.

Showing the value in the graph

To show a value in the graph, you click on the value and drag it to the graph. The measuring value will be shown in the graph.

It is possible to show up to 6 measuring values or up to 2 measuring units.



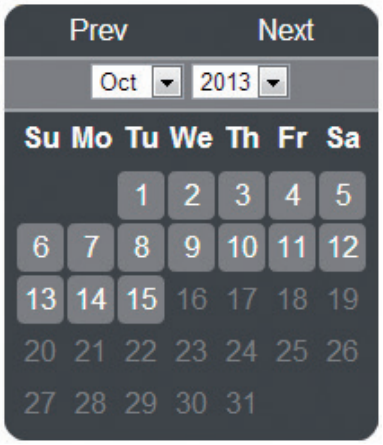
- Showing measuring value in graph (historical)

  To show a historical measuring value, you first need to select a time range for the measuring value.

To select a begin and end date

You can select a begin and an end date by clicking on one of the buttons. A calendar will appear where you can select the specific beginning and end date.

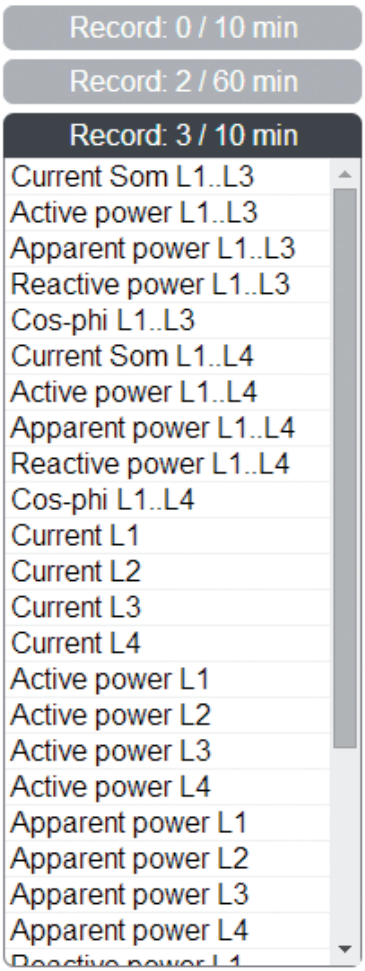
To close the calendar, simply click next to the calendar and the dates will appear in the button of the start and end date.



Selecting measuring values

You can select different measuring values by opening and closing different tabs. The APP recognizes automatically the recorded values in the Janitza Analyser. Every recording group has its own tab.

You can select a measuring value by opening and closing the tabs of the recordings. When you opened a tab, you can see which measuring values are recorded with that specific recording.



Showing measuring value in the graph

To show a value in the graph, you click on the value and drag it to the graph. The measuring value will be shown in the graph.

It is possible to show up to 6 measuring values or up to 2 measuring units.

- Erase graph

  To erase the graph, click on the button “erase graph”. You will have a clean graph-screen.

Extended manual

In the next chapter we will take a closer look at the controls of the app.

- Delete measuring value from the graph

  To delete a measuring value from the graph, select the value from the measuring value table and press the options button next to it.

Value	Actual Value	Min Value	Max Value	Options
Voltage L1-N	231.29 V	228.795 V	233.126 V	
Voltage L2-N	231.96 V	229.476 V	233.629 V	
Voltage L3-N	233.00 V	229.675 V	233.826 V	

  Then you click on



  The measuring value will be deleted from the graph.

- Change colour of the graph

  It is possible to change the colour of a specific measuring value in the graph. To do this, select a value from the measuring value table and press the options button next to it.

Value	Actual Value	Min Value	Max Value	Options
Voltage L1-N	231.29 V	228.795 V	233.126 V	
Voltage L2-N	231.96 V	229.476 V	233.629 V	
Voltage L3-N	233.00 V	229.675 V	233.826 V	

  Then you click on

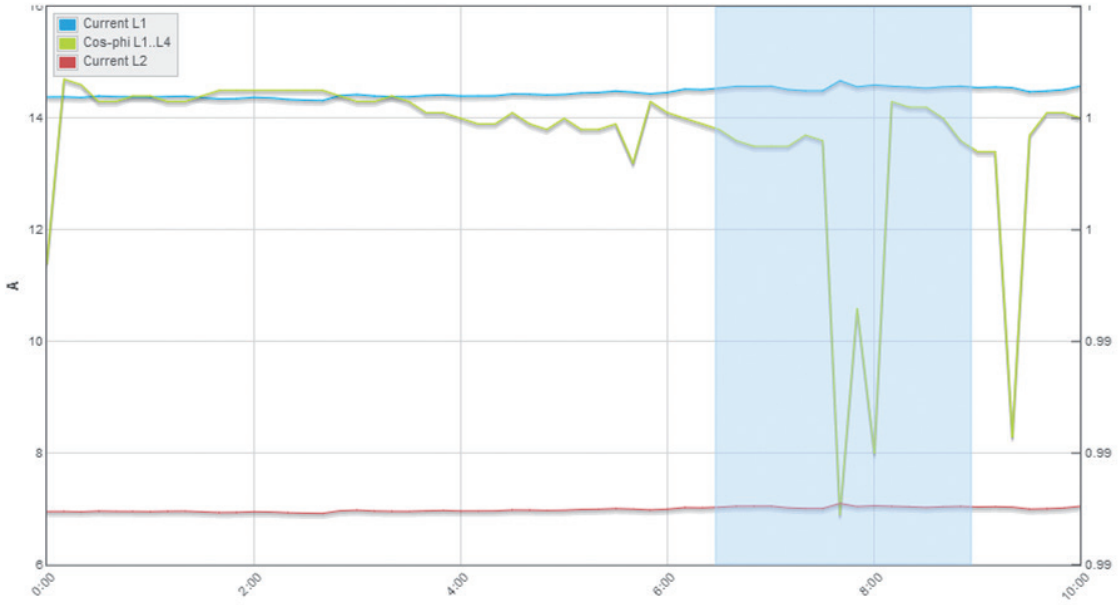


  Now you can select the colour you want and press close.



- Zooming in the graph
  With historical graphs, it is possible to zoom in with the mouse.

  Zoom in:
  You can zoom in at a specific area in the graph by clicking and dragging an area to the specific part of the graph:



  You can repeat this method to zoom in further.

  Zoom out:
  By clicking once, you can zoom out to the original size of the graph.

- Export graph
  Via the app it is possible to export the graph to an image. This way you can either print or save the image.

  When you press on the button “graph to image” a new frame will open inside your browser.

  graph to image

  Save image: To save the image on your pc, right click on the image, and select “save image as…”. You can now select a location to where you want to save the graph.

Help

Here you can find the problems which may occur when using the app.

There are no values available in the historical modus

The app can only show measuring values which are stored in the memory of the power analyser. These values can be programmed using the software Gridvis.

Not all the recorded values are shown

The app only shows recording values which have a minimum recording time of 1 minute.

It seems that the app doesn't work

For an optimal operation please use on of the following browsers:

- Google Chrome, version 30 or higher
- Mozilla Firefox, version 24 or higher
- Microsoft Internet Explorer, version 10 or higher