Guide to using Insight
Congratulations on your purchase, thank you for choosing Quantified!

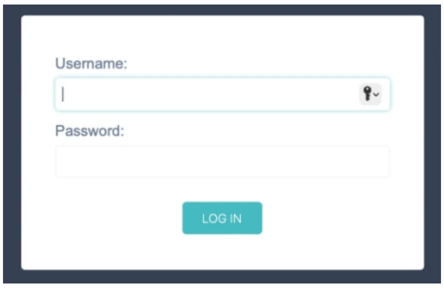
Please note that Quantified can only guarantee full end-to-end functionality if all components in the network are provided by us. Using third-party data platforms to view your data based on our API link is not an impediment.

Connecting to the Quantified data platform "Insight"
When you placed your order, you received your login and password to log in to the Insight platform. Please use Google Chrome (PLEASE NOTE: Chrome's translation feature must be off) or Firefox to connect to Insight. WARNING: Insight does not work correctly with other browsers such as Internet Explorer or Safari.

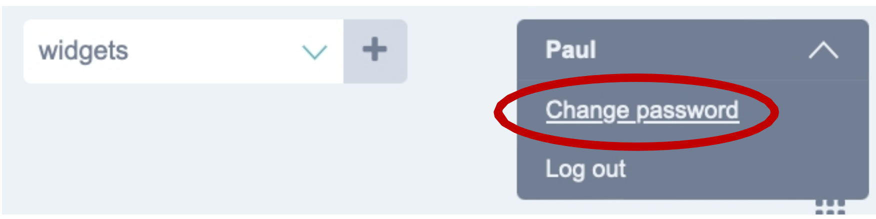
For data flow and storage, we use Amazon Webservices. Your data is handled with the utmost care and we meet the highest standards. You can find the AWS Privacy Statement here:
https://aws.amazon.com/compliance/data-privacy-faq/

Go to www.quantified.eu http://www.qauntified.eu/en use the "Login" button in the upper right corner of the website to connect to Insight and access your information. We recommend that you change the password you received from Quantified.

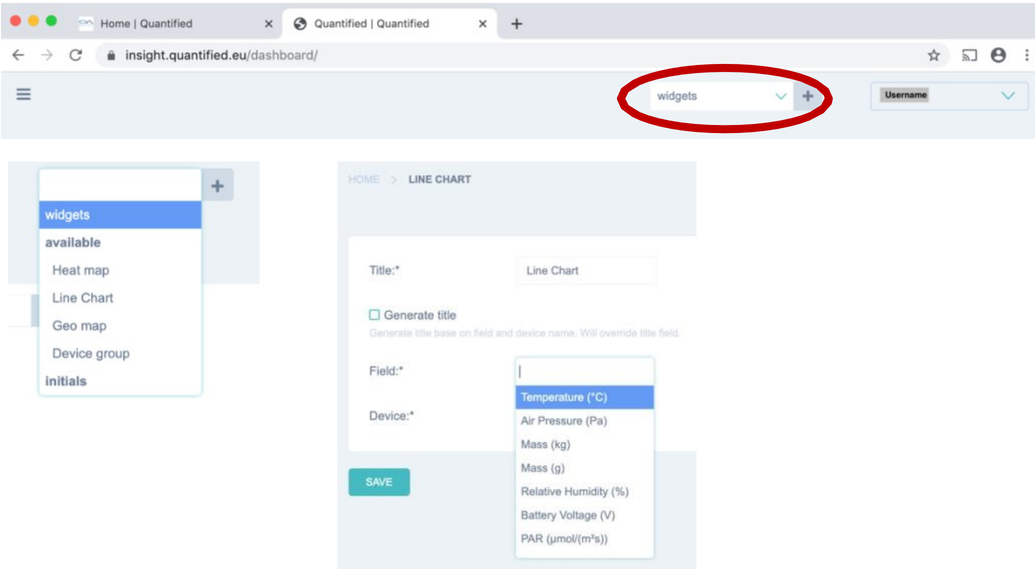
After you click the Login link, you will be prompted to enter your username and password.



We recommend changing the password you received from Quantified. At the top right of the screen, you will see the "Change password" option.



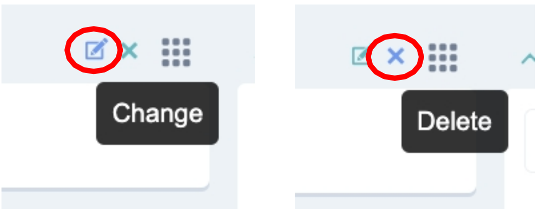
Dashboard view
After logging in, you will be taken to the dashboard page. On the dashboard page, graphs for "favorite" sensors can be added via "widgets". At the top of the screen, different types of graphs can be selected using the "widgets" button and then added using the "+". With drag and drop, graphs can be arranged in two columns.



Managing widgets

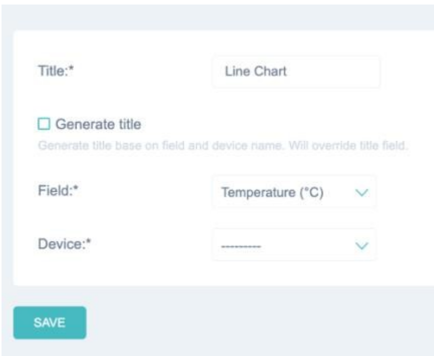
The "Line Chart" widget shows the values of a sensor field of the selected sensor over the selected period. The "Device group" allows the data of the same parameter from different sensors to be placed in one chart.

To define a widget, select "change" in the upper right corner of the widget. To remove the widget, use the "cross".



If the change widget icon is not visible, hover over the icon first.  Select the desired sensor from

the "Device" list and the desired parameter from the "Field" list.
When "Generate title" is checked, Insight will use the sensor label name in the chart name. It is also possible to enter your own title in the "Title" field. Then click the "SAVE" button.



The result is automatically saved to the dashboard. You can reposition the widget by clicking and dragging the  icon.

"Devices" display

Clicking on the hamburger icon at the top left of your screen reveals a menu structure including the "Devices" selection.

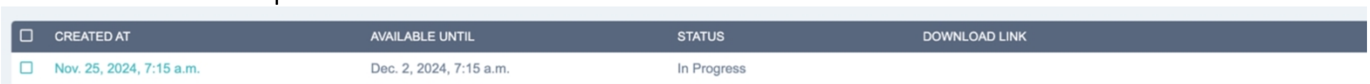
Clicking on the "Devices" menu displays a screen with all the registered sensors on your account. From this screen, you can view sensor data for each individual sensor by clicking on the sensor name. In the alerts column, icons indicate respectively that the sensor has not been online for a week , and that the battery needs to be charged .

firefly2-0608	firefly2-0608		Quantified
firefly2-0610	firefly2-0610		Quantified

Downloading sensor data

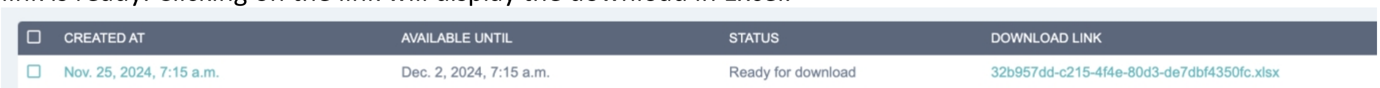
The "DOWNLOAD DEVICE DATA" button at the top right of the screen allows sensor data to be downloaded. CAUTION: select the desired sensors by checking the box! Maximum amount of data can be downloaded at a time (a system specified).

The download is happening in the background and will become available through a link in the left part of the screen under: "Data exports."



CREATED AT	AVAILABLE UNTIL	STATUS	DOWNLOAD LINK
Nov. 25, 2024, 7:15 a.m.	Dec. 2, 2024, 7:15 a.m.	In Progress	

Under "DOWNLOAD LINK" a link will become available when the system is ready, refresh the browser to see if the link is ready. Clicking on the link will display the download in Excel.



CREATED AT	AVAILABLE UNTIL	STATUS	DOWNLOAD LINK
Nov. 25, 2024, 7:15 a.m.	Dec. 2, 2024, 7:15 a.m.	Ready for download	32b957dd-c215-4f4e-80d3-de7dbf4350fc.xlsx

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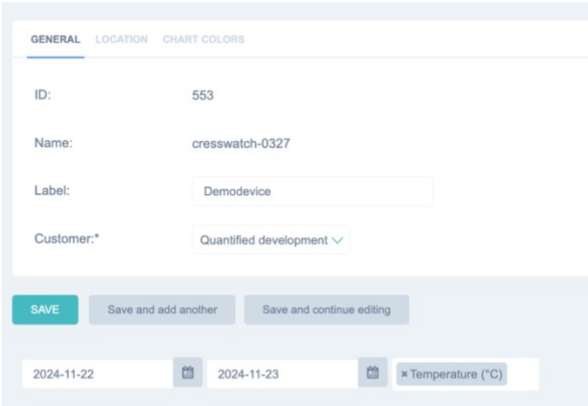
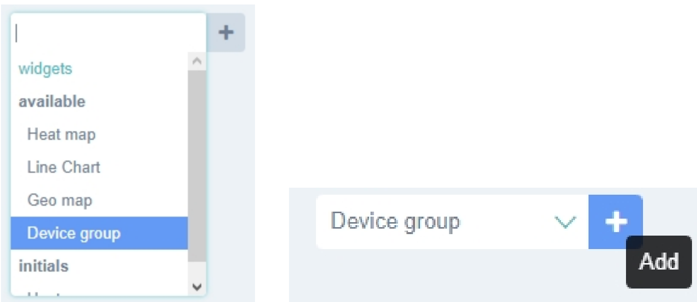
Individual device display
Clicking on a device name displays the individual sensor screen.



In the "GENERAL" view it is possible to give the device a specific name (label). The start and end of the graph period can be selected and one or more parameters to be displayed can be selected to the right. For each parameter an individual graph is displayed for the selected period. In the view "LOCATION" the location coordinates can be entered manually. NOTE: If the sensor device has a GPS module, the location will be entered periodically by the system. The view "CHART COLOURS" can be used to choose the color of the graph line.

Grouping sensors
The "device group" widget creates one graph on the home page that displays the same parameter from multiple sensors in one graph.



<u>Defining sensor groups</u>
Go to the widget settings to add a name to the group and select the desired measurement. When Multi Poseidon is selected as the measurement in the field, all measured parameters of this sensor are displayed. In the "Field" the desired parameter can be selected and in "Devices" the different sensors. NOTE: When selecting sensors, the name/text of the "Label" is used.

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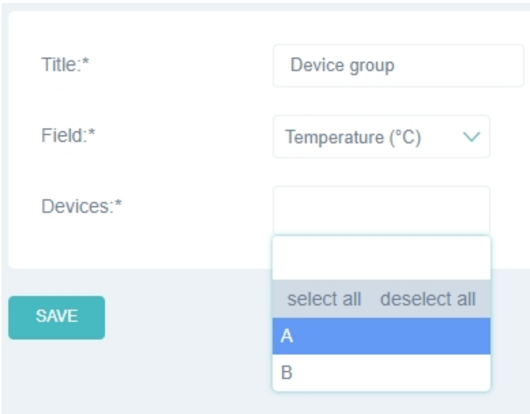
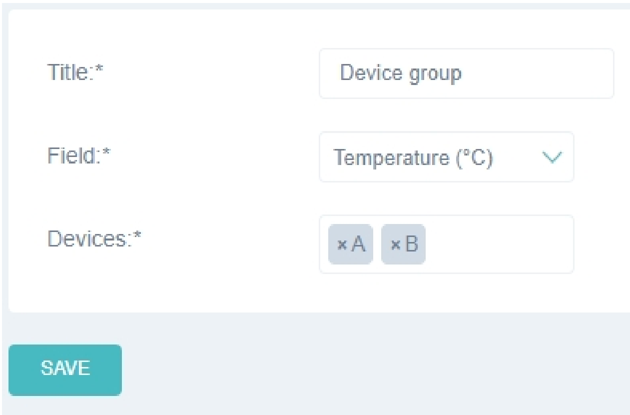
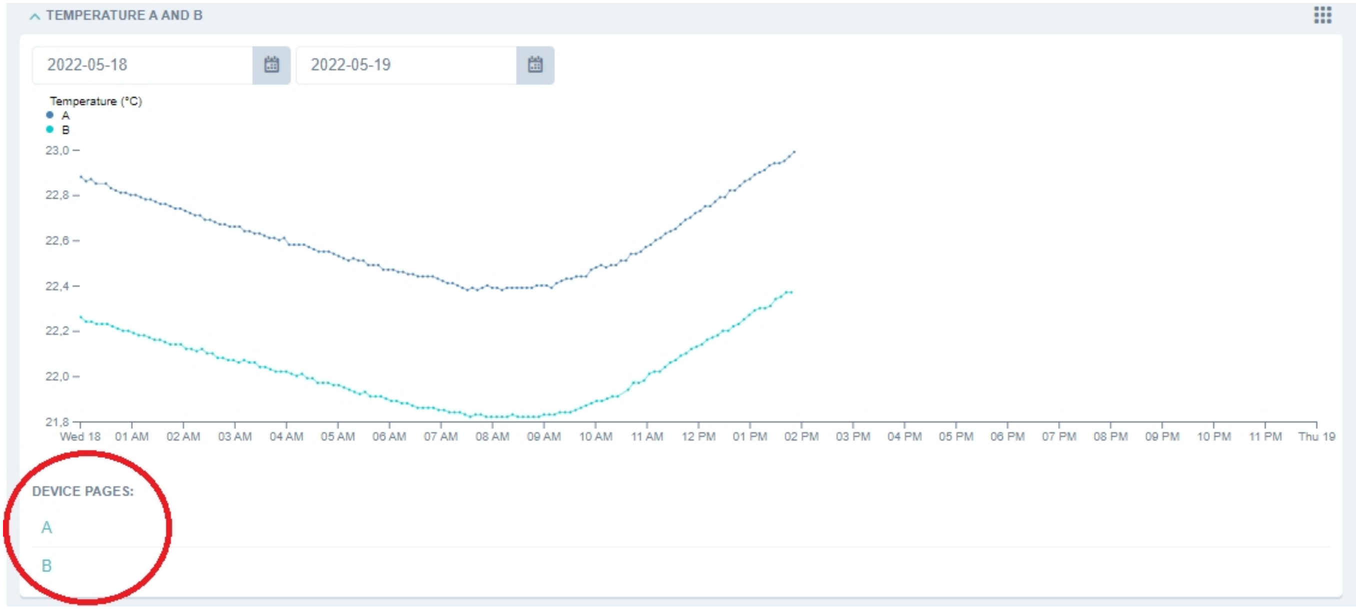




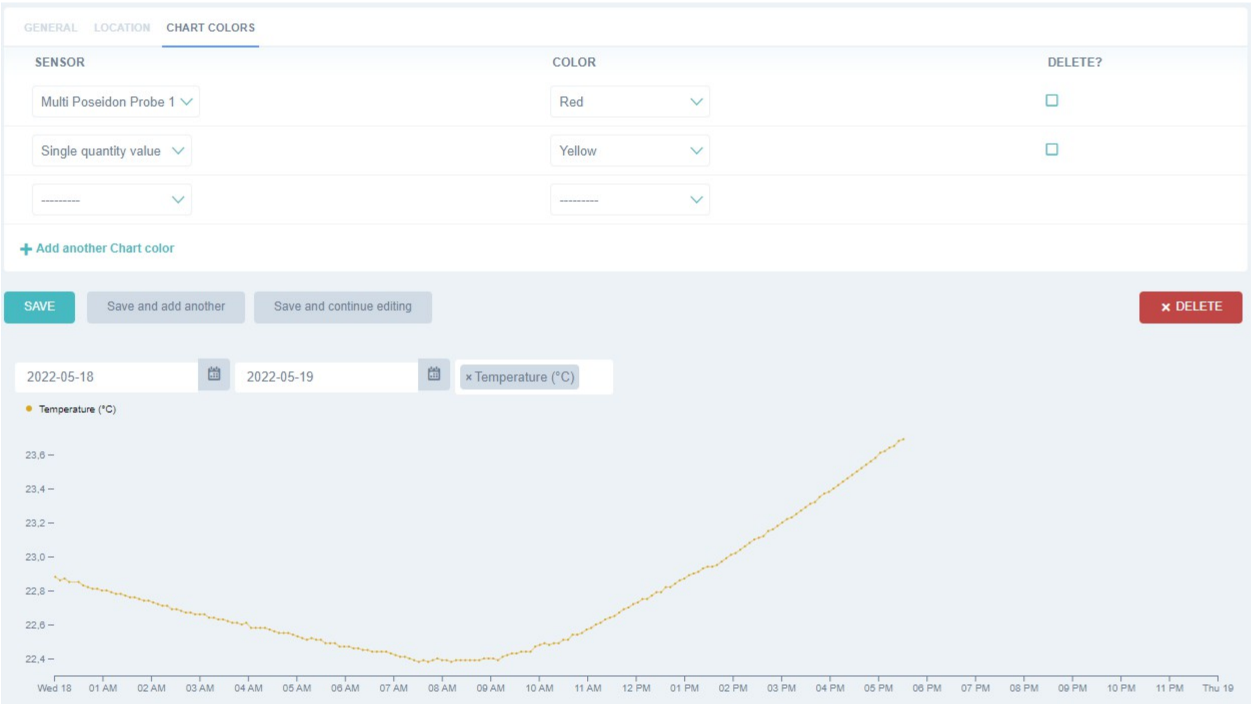
It is possible to select multiple devices by holding down the CTRL key when selecting from the list.



At the bottom of a "Device group," all sensors in the group are displayed. The names are also active links to the individual sensor page.

Changing the color rendering of a sensor

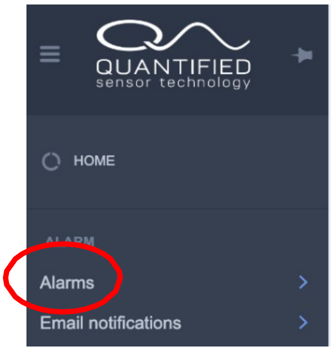
The color of sensor graph lines can be set through the chart colors tab on the sensor page. These colors will also be used in the sensor groups on the dashboad.



Alarms and notifications

Users as of the "Silver" subscription level can set alarms and alarm messages. Alarms can send a notification to your e-mail address when a value goes above or below a preset threshold. Alarm status is checked every 30 minutes. This means that the last reading before xx:00 or xx:30 is used to determine the alarm status. Any user can see all alarms and settings for e- mail notifications within your account.

Alarms can be viewed from the main menu:



Creating an alarm

In the "Alarms" overview, click "Add Alarm" add

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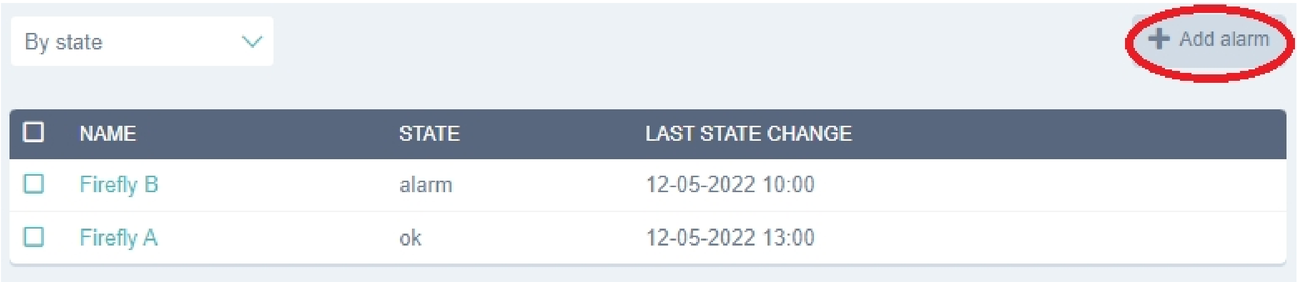
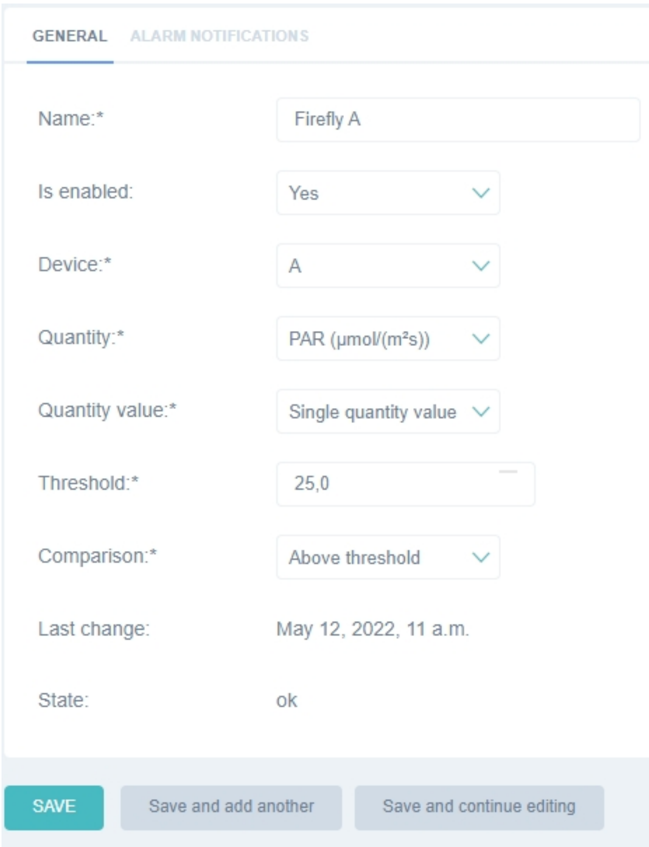


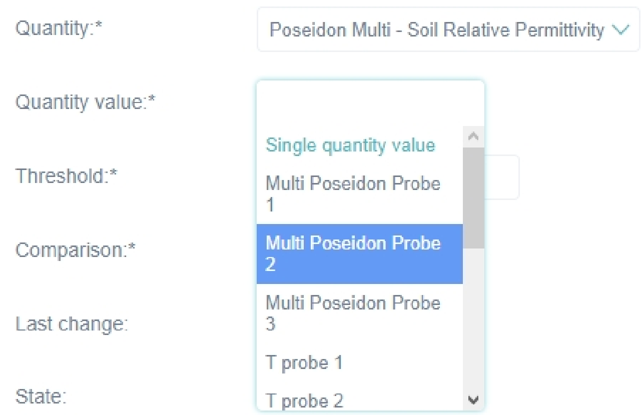
In alarm settings, the user can set an alarm name, enable/disable the alarm, and select the sensor to which the alarm will be set.



<u>Selecting the alarm activation threshold</u>

To select alarm activation, select the desired parameter (Quantity).

For example, if the alarm is to be set to Relative Permittivity for Multi Poseidon probe 2:



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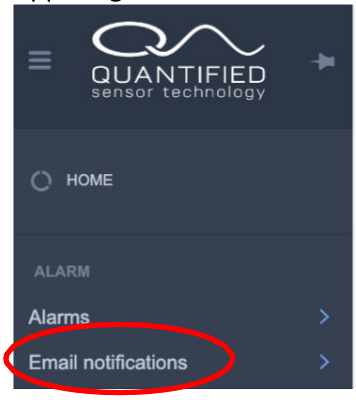
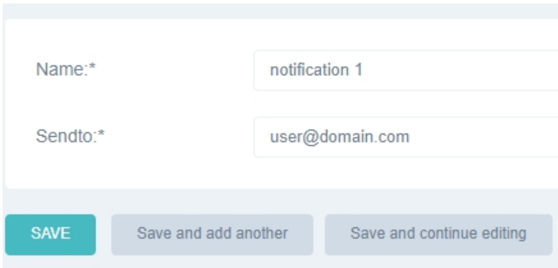
Setting the activation threshold

The threshold can have any numeric value with one decimal place. For negative values, use a minus sign (-). The Equation field defines whether the alarm sounds if the measurement is above or below the threshold.

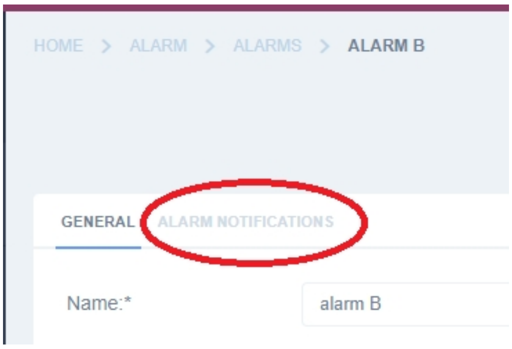
Adding an email address to the alarm

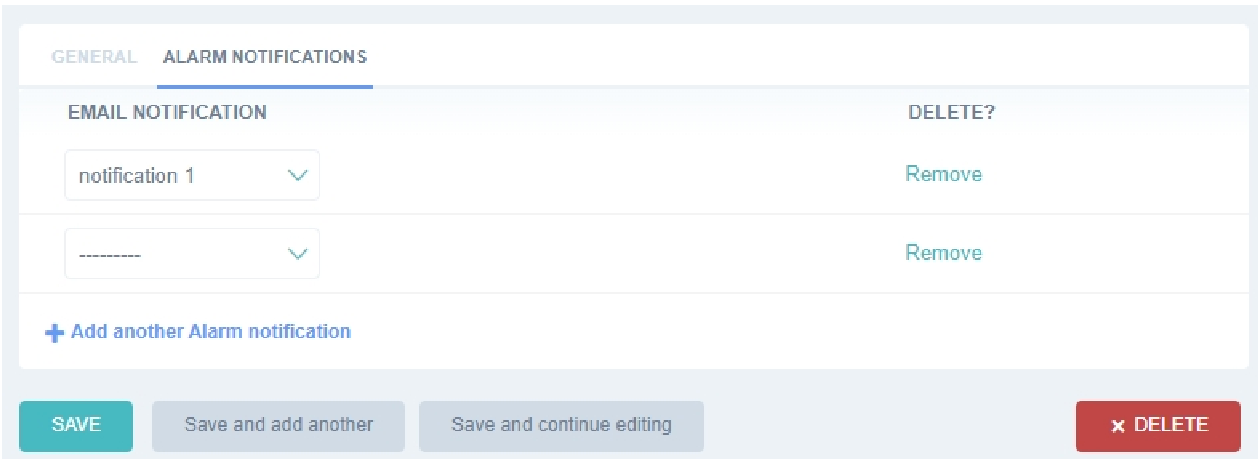
First, set up an e-mail notification. In the main menu, go to "Email Notification" and then click on Add Email Notification in the upper right corner.





After the fields are completed and saved, it can be used for multiple alarm settings. Navigate back to the "Alarms" page alarm and click on "ALARM NOTIFICATIONS"

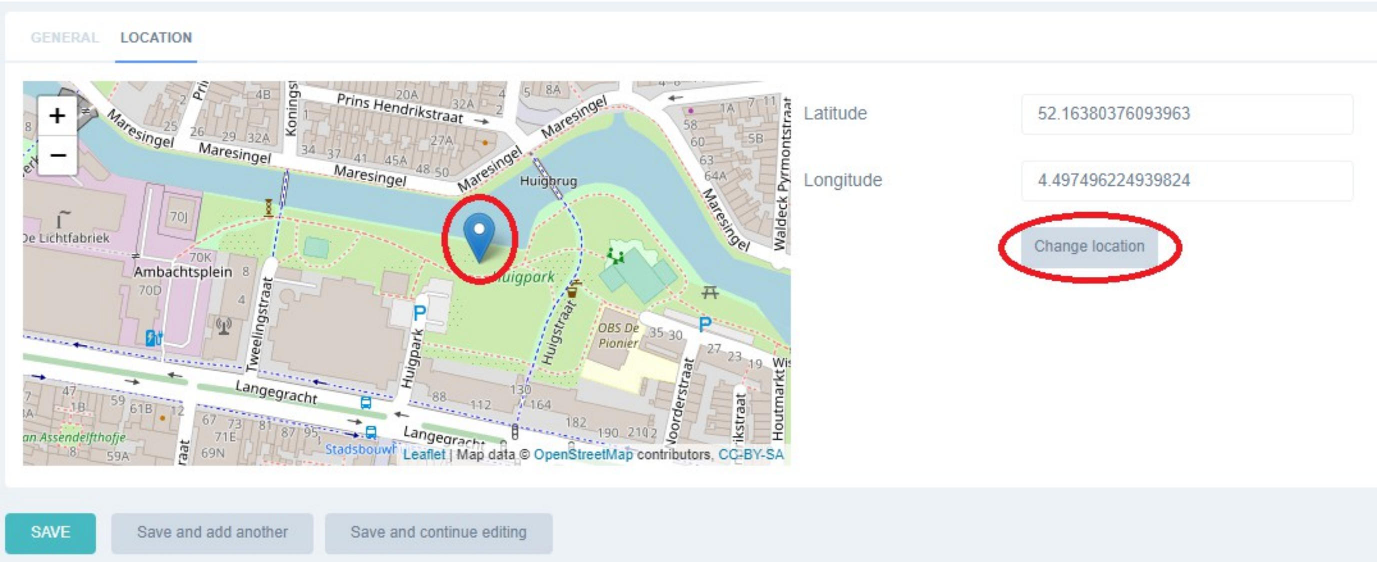




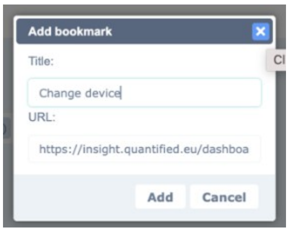
Here, one or more e-mail notifications can be added to an alarm. This allows multiple users to receive an e-mail when an alarm is triggered. Don't forget to save the settings!

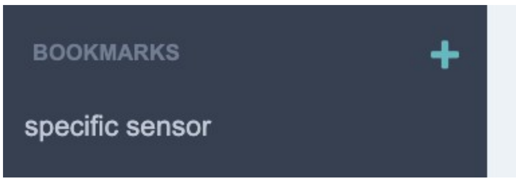
Manually setting a sensor location

It is possible to manually set a location for a device by clicking on the map (blue pointer appears) and clicking "save location". Please note that it is not possible to see whether a location was set manually or by the GPS. The manual location will be overwritten on a new GPS update of the device (only in case the sensor is equipped with a GPS module). Therefore, this is only recommended for Firefly's without GPS or when they are in a location where they cannot get a GPS fix. A manual sensor location is not displayed on the GEO map on the dashboard page, it is only displayed on the location map in the individual sensor view.



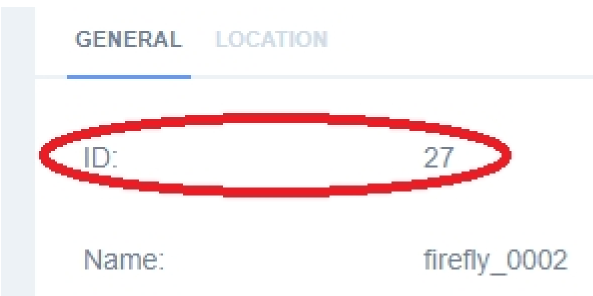
Bookmark
In the right-hand column under "Bookmark" it is possible to link to a specific device.
By clicking on the "+" next to bookmark at the time the device graphic is open, a direct link can be created be made to the desired device.



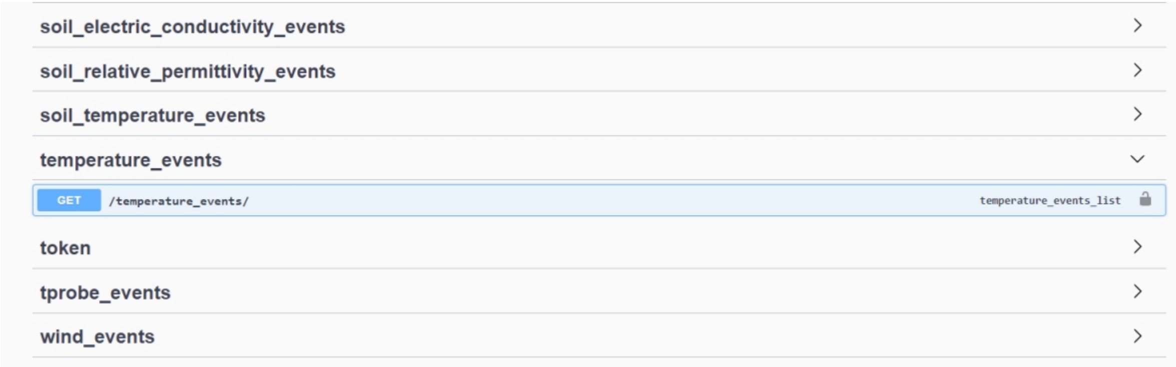


Downloading large data sets

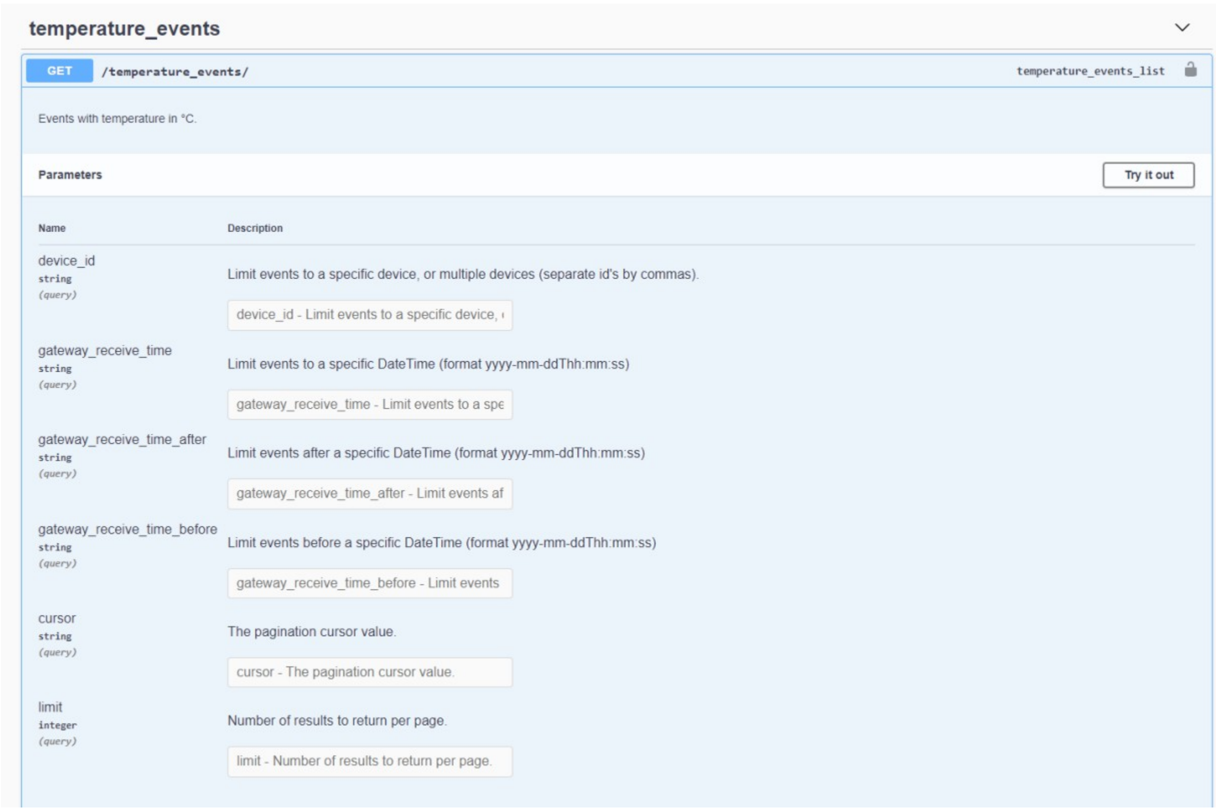
Large data sets can be downloaded via the API. If this is needed frequently, it is recommended to do this programmatically. Note that all time specifications in the API are in UTC format! Find the ID of a Firefly on the individual sensor page (Devices).



Go to https://insight.quantified.eu/api/doc
Click on the measurement to be downloaded and click in the blue field to open it.

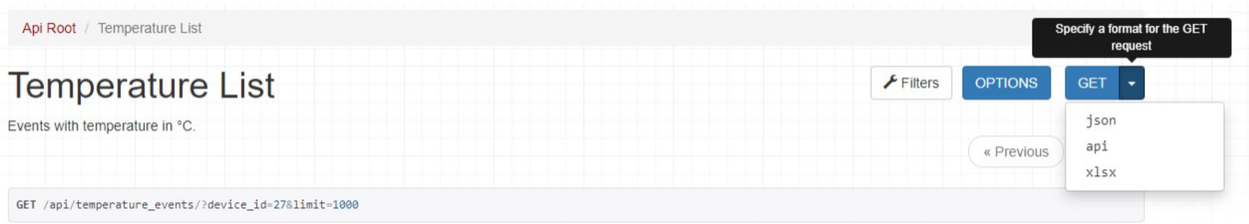


Click "Try it out" to complete the required fields.



To download data from multiple Fireflys, add their IDs separated by a comma with no space. The time window for which the data is to be downloaded can be specified in the "gateway_receive_time_after" and "gateway_receive_time_before" fields. These are specified in the UTC time zone! The limit is used to specify the maximum number of results in the download. The default value is 100. Be sure to increase this number if there are many data points!

When you click "Run," a request URL is generated. This URL can be copied into the browser. On this page, the drop-down menu next to "Get" allows you to select the .xlsx file format for an Excel download.



The file is downloaded, but it must be renamed with the file extension ".xlsx" to open it in Excel.

Data storage
The Quantified Insight subscription includes data storage for 2 years.

API: using other data platforms
If you want to export your data to another platform, you can use our API. All the necessary information can be found in the links below.

API https://insight.quantified.eu/api/
Swagger UI https://insight.quantified.eu/api/doc

Test accounttest-api-user
Password
MDD$kF9BztHQJRt

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