Icutech GW3 Gateway Weblog Device with Sensor User Manual

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Contents

Package contents

The shipping box contains the following content:

1. ICU tech Gateway GW3
2. **ICU tech sensors:**

   (a) WLT-20, (b) WLRHT or WLRT.

   Depending on order: 1-3 sensors
3. Ethernet (LAN) cable 5m
4. Power supply unit for 230V
5. Magnetic button
6. Customer information sheet (not shown)
7. Calibration certificate (not shown)

Device Installation and Commissioning

Gateway GW3 Commissioning

Insert the micro-USB plug from the power supply into gateway GW3 and connect the power plug to the power supply (wait about 30 sec.).

Sensor Commissioning

Sensor Activation

Sensors must be activated before their first use. Basically, two different sensor activation mechanisms exist, determine upfront which type yours is.

Button activation type

Does your black WLT-20 sensor have a dot label on the back? In this case, press the circled button.

WLT-20 Sensor

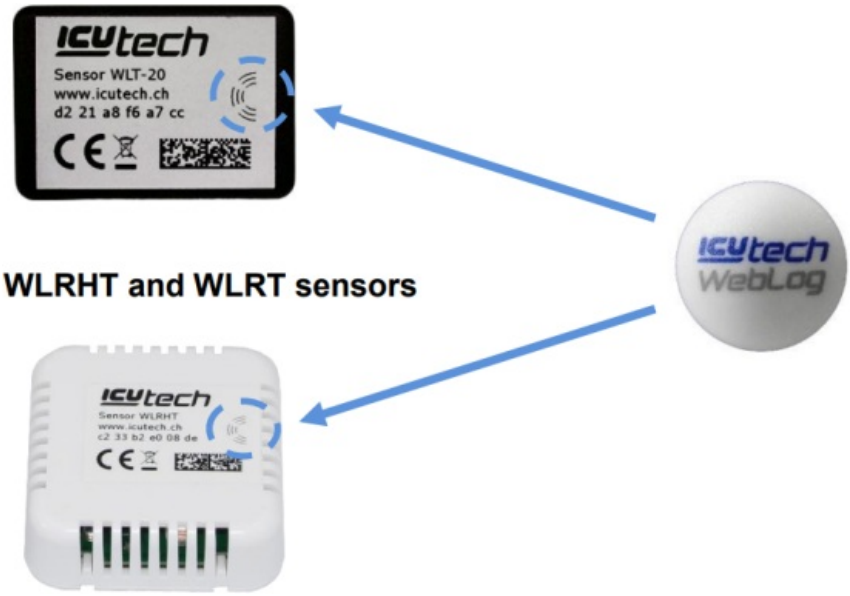
Does your white WLRHT or WLRT sensor have a round hole on the top? In this case, press the circled button.

WLRHT and WLRT sensors

Inductive activation using the button magnet

If your sensor does not exhibit the features as described above, proceed as follows: use exclusively the provided button magnet and swipe over the sensor at the marked spot and on the side without touching the sensor (see images below).

WLT-20 sensor



Sensor Placement
Then place the sensor in the cooling unit or at the desired location. The distance between the gateway and the sensor should not exceed 3m and the two units must be in the same room.

Establish Connection Between ICU Gateway and Internet

Basically, you can choose between an Ethernet or WLAN connection. To configure a WLAN connection an Android smartphone is required. The configuration app (ICU tech Gateway) is not available for IOS.

The type of connection between the ICU gateway and the Internet must be selected according to the structure of the company network. The person responsible for IT in your company can tell you which connection type to choose.

The configuration app (ICU tech Gateway) allows IT professionals to configure additional network settings.

Connect via Ethernet (LAN)

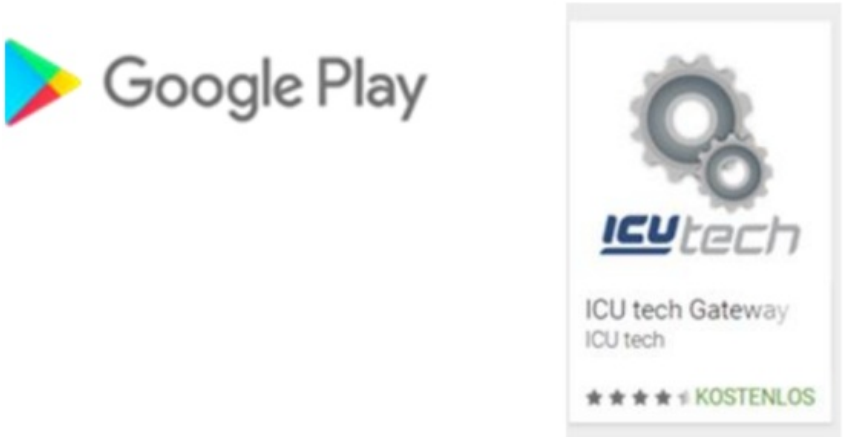
Plug the supplied Ethernet cable into the Ethernet port of the ICU gateway and connect it to the company network. In case of doubt, the person responsible for IT in your company can help.

Gateway Configuration for WLAN

Configuration via iPhone
The configuration app is not available for IOS. Customers who only have IOS devices can use the gateway via a LAN connection or request a pre-configuration of the gateway by ICU tech when ordering.

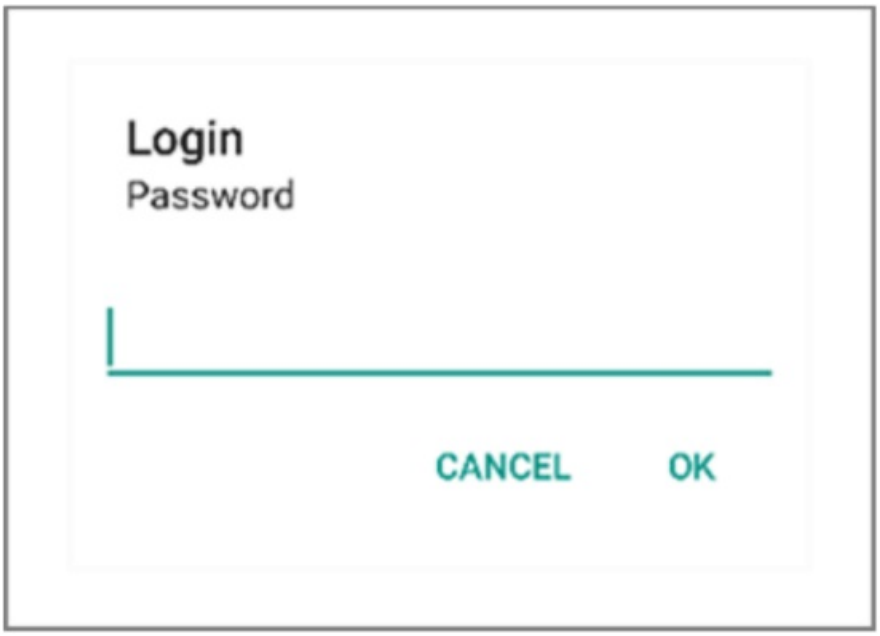
Configuration via Android

Step 1: Download ICU tech Gateway App
Open the Google Play Store on the desired smartphone and download the ICU tech Gateway app.



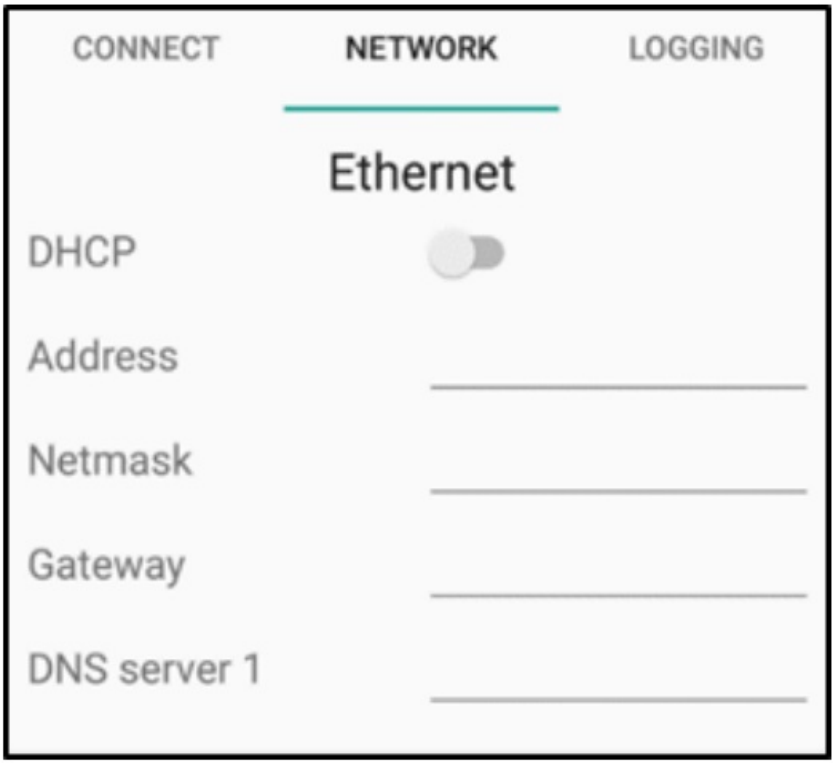
Step 2: Connecting the Gateway to the Smartphone
Connect the smartphone to the gateway via Bluetooth. The connection is made via the smartphone settings. Select the P/N number of your gateway, this is located on the label on the side of the gateway (picture left).

Step 3: Log in the App on the Gateway
In the app, select your gateway GW3 and log in with the password 1234. After entering the password confirm with OK.

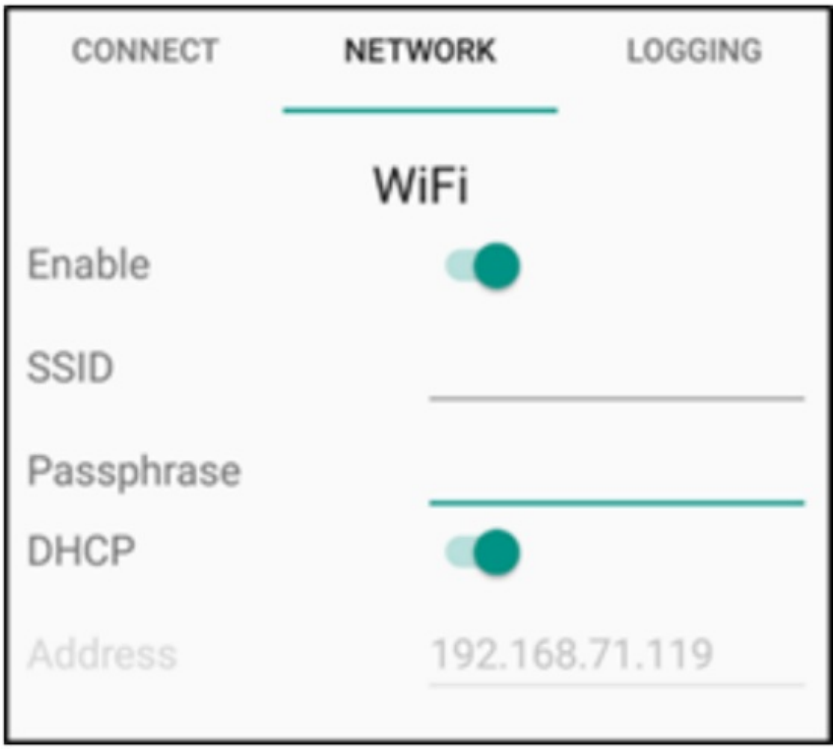


Step 4: Connection Types
The app offers different connection types. You can choose between Ethernet (LAN) or WLAN (WiFi). The default connection type is Ethernet (LAN) with DHCP. The settings must be adjusted according to the company network.

Via LAN Connection with DHCP
In the app, select and save Ethernet/DHCP

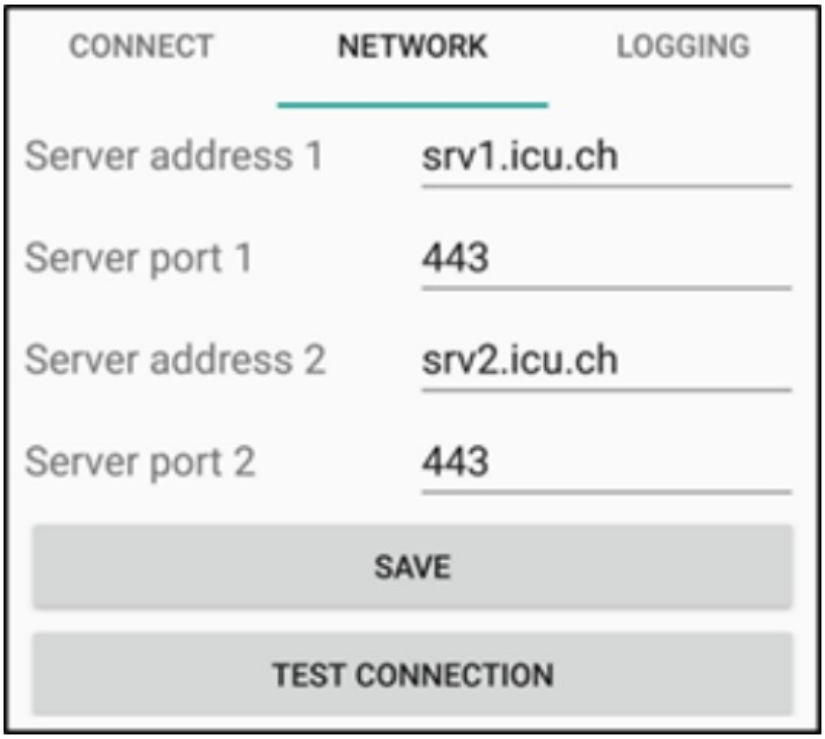


Via WLAN Connection with DHCP
In the app, select Wi-Fi___33 / DHCP Enter your WLAN network (SSID) and password (passphrase) and then save them.

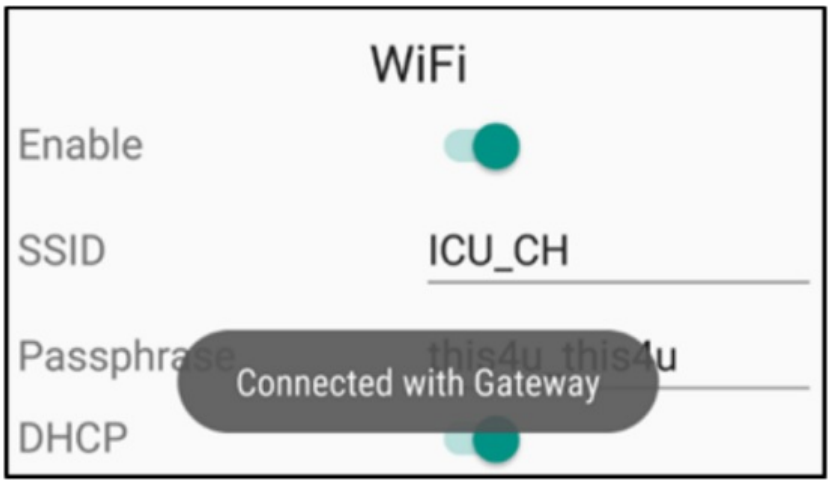


Connect

Test Connection
After entering the connection type and the network properties, the connection can be checked by clicking on the button “TEST CONNECTION”.



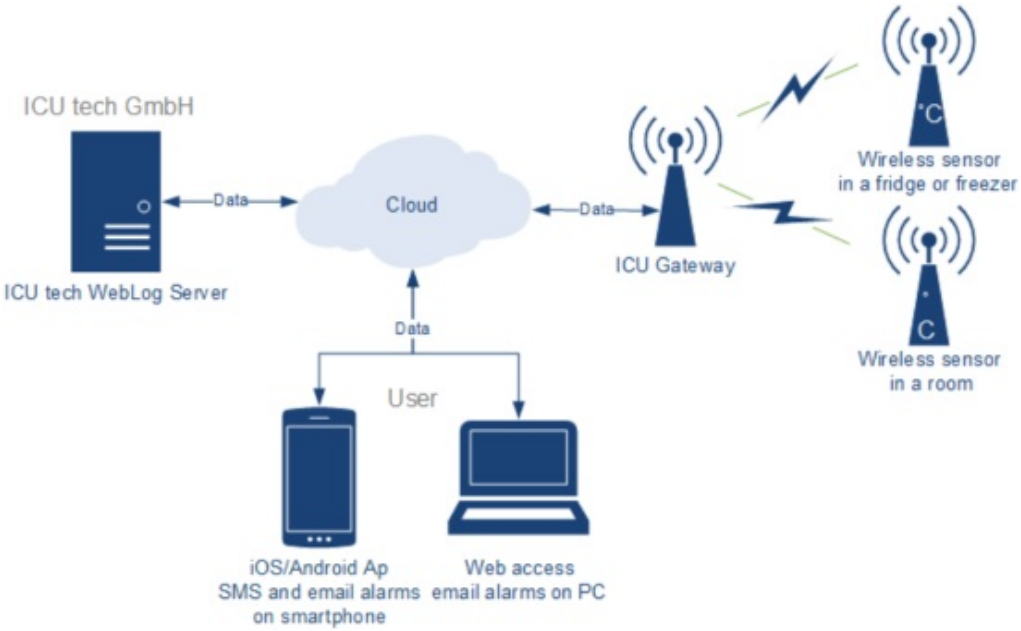
App Displays the Gateway Status
The app now shows whether the gateway is online or offline. The gateway must be online. If not, reconnect.



The Weblog Platform

The data can be accessed from a smartphone with the ICU tech WebLog app (chapter 4) or from a PC via the web browser (chapter 5). The ICU tech WebLog app is available for Android and IOS.

The sensors deliver their measurement data via ICU gateway to the ICU tech WebLog server. This server monitors the data and triggers an alarm via e-mail and SMS in case of a deviation. Each alarm must be signed by a user for traceability. The signature records the cause of each alarm and which user reacted to the alarm. The weblog platform enables a complete traceability of the storage temperature for each stored product.



Access via ICU tech WebLog App

Install App
Download the ICU tech WebLog app on the desired smartphone (for Android, in the Google Play Store or for IOS, in the App Store).

Download for Android

Google Play

Link to the ICU tech Weblog App for Android:
https://play.google.com/store/apps/details?id=ch.icu.MonitoringApp
Store search text: ICU tech WebLog

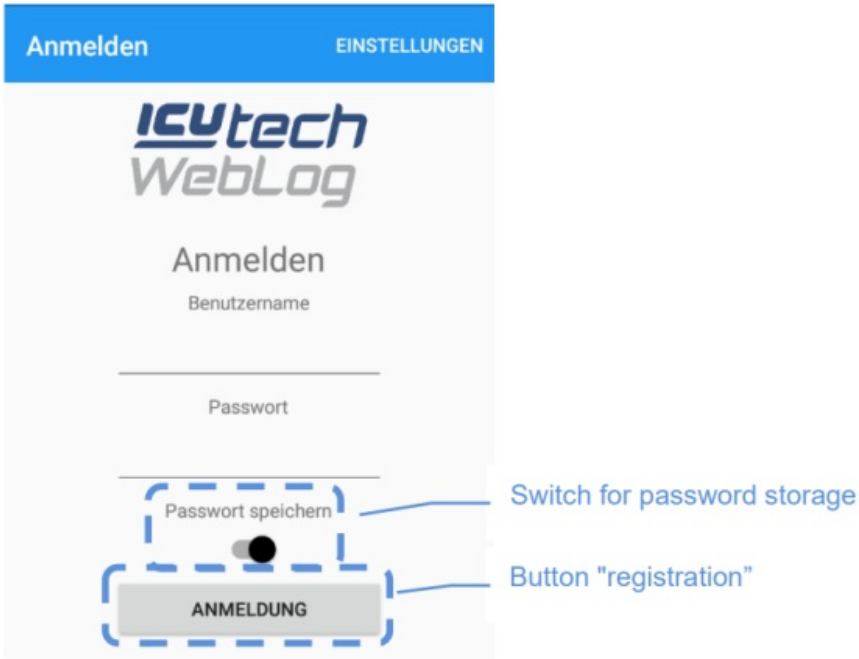
Download for IOS

App Store

Link to the ICU tech Weblog App for IOS:
https://itunes.apple.com/us/app/weblog/id1441762936?l=de&ls=1&mt=8
Store search text: ICU tech WebLog

App Login

Open the ICU tech Weblog app on your smartphone. The login screen appears. The username and password can be found on the supplied customer information sheet. The password can be saved on the smartphone using the virtual switch. The login is completed with the “login button”.



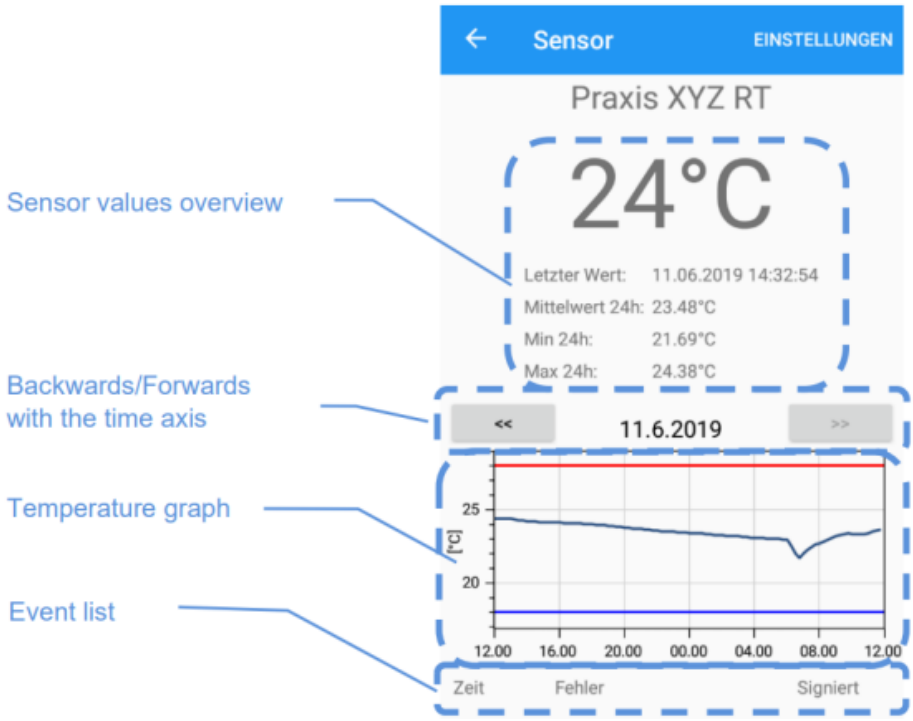
App Sensors Overview

After logging in, a list of all sensors appears. Sensors with open events (warning, alarm, communication error) appear in red letters. By tapping on the corresponding sensor, a detailed sensor view appears on the screen.

App Sensor View

By tapping the corresponding sensor, a detailed sensor view appears on the screen. In the table of values of the sensor, the last sensor value, date and time of the last measured value, average value, minimum and maximum

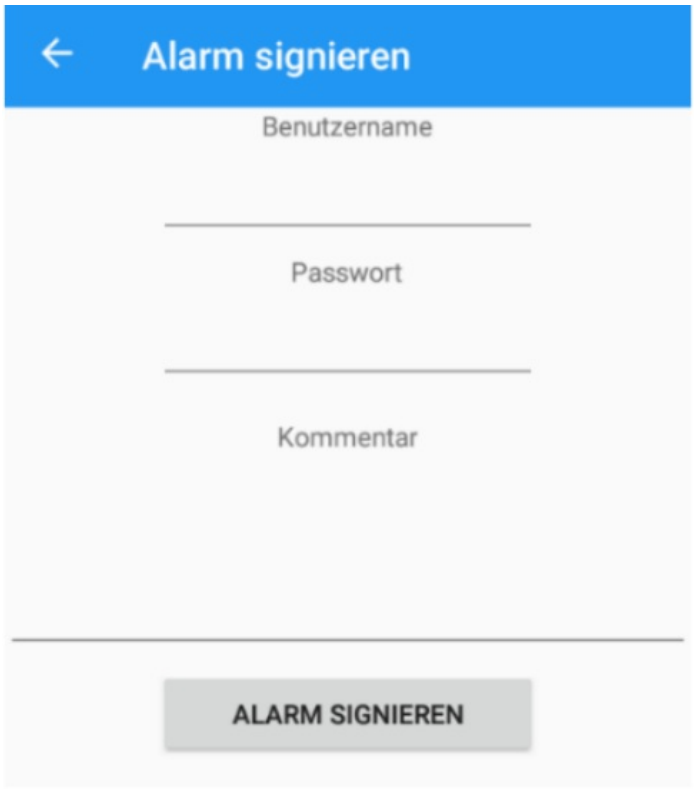
value of the last 24 hours are displayed from top to bottom.
Use the grey arrow keys to move the x-axis of the graph one day back (left) or forward (right).



The event list is displayed below the sensor graph. In the example shown below two events are listed on 11.06.2019. The first, with a time stamp of 08:49:15, was signed by the user with the name “manual”. The second, with a time stamp of 09:20:15, has not yet been signed.

Sign App Event

Each event (such as a warning or alarm) must be signed for traceability. The procedure for event signing via the app is:

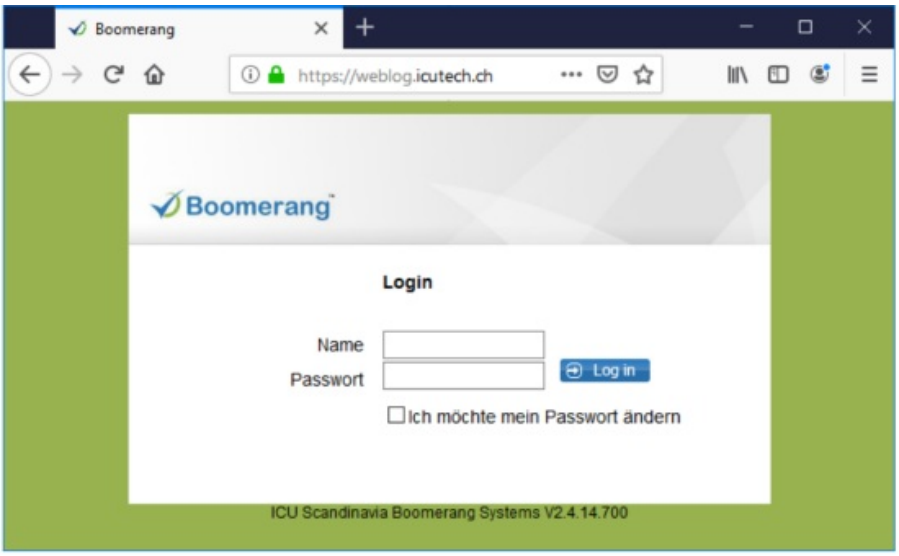


1. Select the alarm/warning in the event list.
2. The signature panel appears on the screen.
   Enter the name and password in the required place.
3. Enter the reason for the alarm in the comment field, such as refrigerator overloaded with products, power failure, cleaning, etc.
4. By clicking the button “sign alarm” the alarm is signed and changes its position in the event list.

Access via Web Browser

Login
Start the web browser. The popular web browsers Microsoft Internet Explorer, Microsoft Edge, Firefox and Google Chrome can be used.
Enter the web address in the address bar:
https://weblog.icutech.ch

1. After confirming the entry with the enter key, the Boomerang Web login window appears (figure)
   If this window does not appear, please check the spelling of the web address and its accessibility.



2. The login data can be found on the supplied customer information sheet under WebLog login. After entering name and password, press the blue “login” button or the enter key on the keyboard
3. After successful login, the default view of the Boomerang system appears. If the name or password is entered incorrectly, the error message “login cannot be performed” appears.

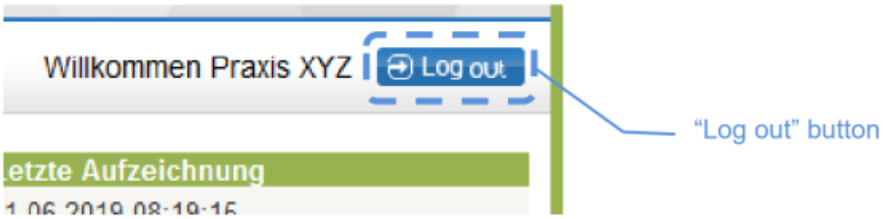
Change password

To change the password, you should select the checkbox “I want to change my password” during the login process. The new password must contain between 6 to 10 characters and must include characters and numbers.

Logout

The system can be exited with the blue “log out” button. After logging out, the system returns to the Boomerang Web Login window.

Please always close the system with the “log out” button to prevent unauthorized persons from accessing the system.



Different Views

Boomerang Web has three different views, the standard overview, the group view and the sensor view. All Boomerang Web views are updated every five minutes.

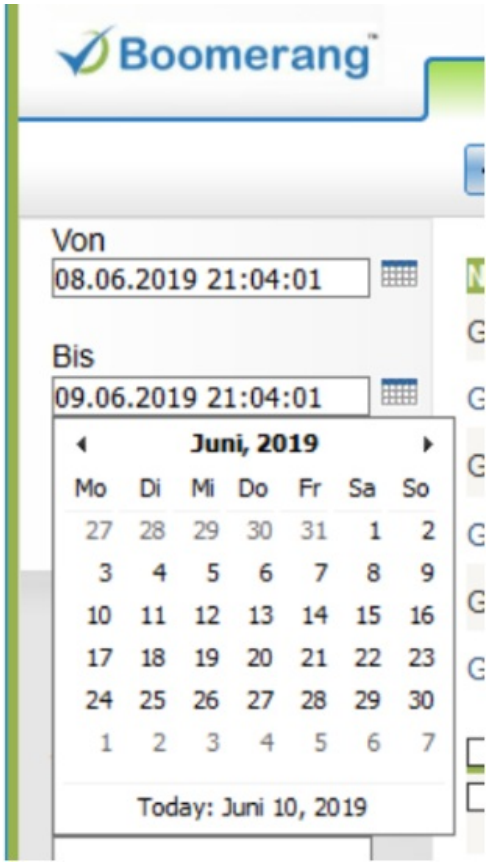
Alarm Status Display

In all three views, icons are used to indicate the current status of the object group or sensor. The following table describes the icons and their meaning in more detail.

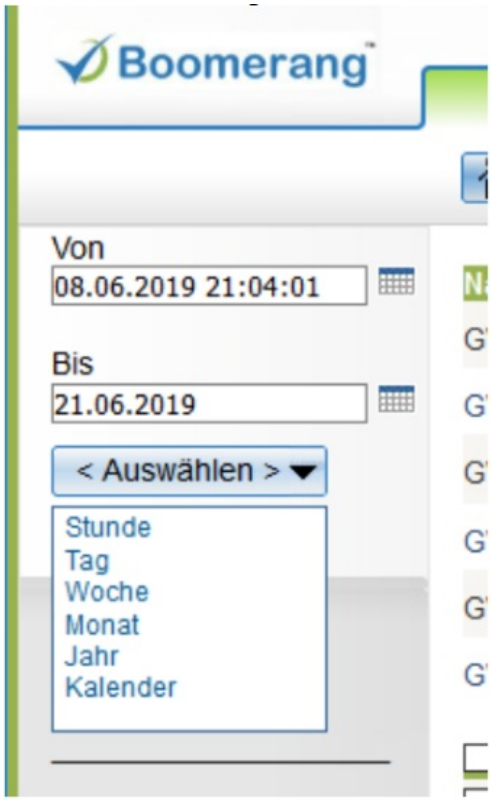
Symbol	Status	Description
	OK	Everything in order
	Alarm	Is triggered when the sensor value has exceeded the alarm limit
	Warning	Is triggered when the sensor value has exceeded the warning limit.
	Communication err or	Is triggered when a communication error is detected in the transmission of m easured values from the sensor to the Boomerang server.

Date/Time Interval

The display of the sensors or of the individual sensor can be shown as desired, by date from/to (click on calendar symbol) or as time interval (click on blue selection button) the current hour, day, week or year.
Selection by date and time



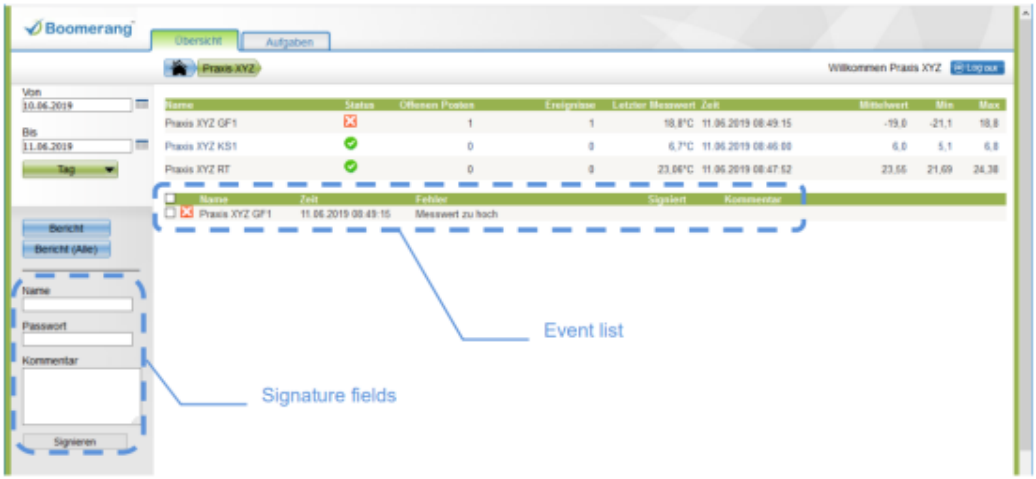
Selection by time interval



Sign

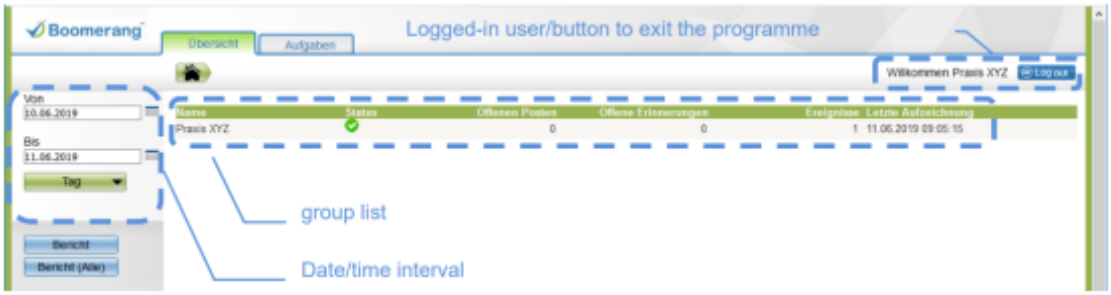
Each event (such as a warning or alarm) must be signed for traceability. The procedure for event signature is:

1. Select the alarm/warning in the event list.
2. In the signature field on the left, enter name and password.
3. Enter the reason for the alarm or warning in the comment field.
4. By clicking the “sign” button, the alarm is signed and the status icon appears in the list in grey.



Standard Overview

After logging in successfully, the standard overview appears. This shows the user all groups to which he has access. A group is typically a practice/company name or location, such as a laboratory or department. In the example below the user has access to the object group named “Practice XYZ”.

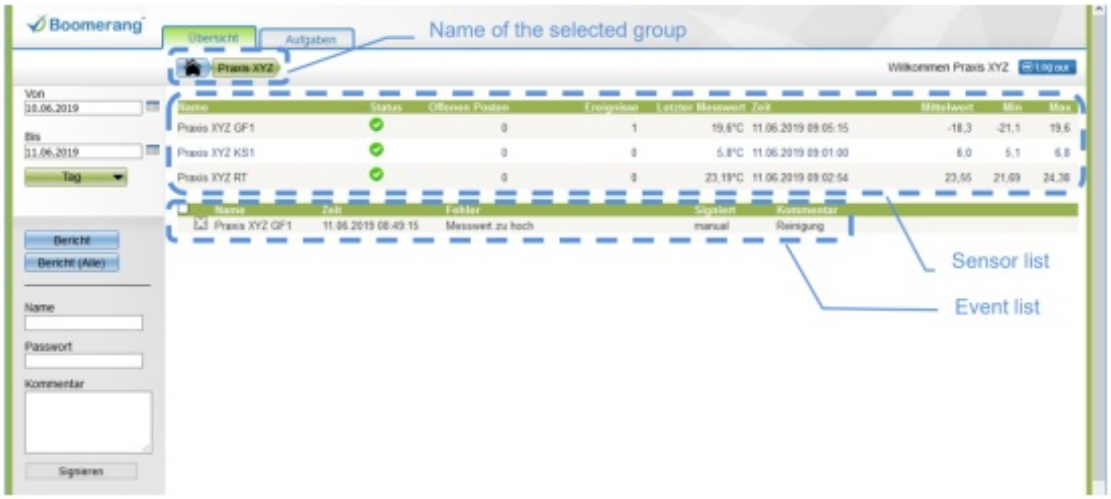


Group List

Name	Status	Open posts	Last recording
Groups visible to the user	Status of the object group. The meaning of the symbols is described in chapter 5.4	Unsigned alarms, warnings or commu nication errors	Last recorded val ue

Group View

By clicking on a specific group, the group view is opened. This shows detailed information about the group. A list of all sensors in this group is displayed. In the following example there are three sensors. One of them measures the room temperature, one the temperature in the refrigerator and one the temperature of the freezer.



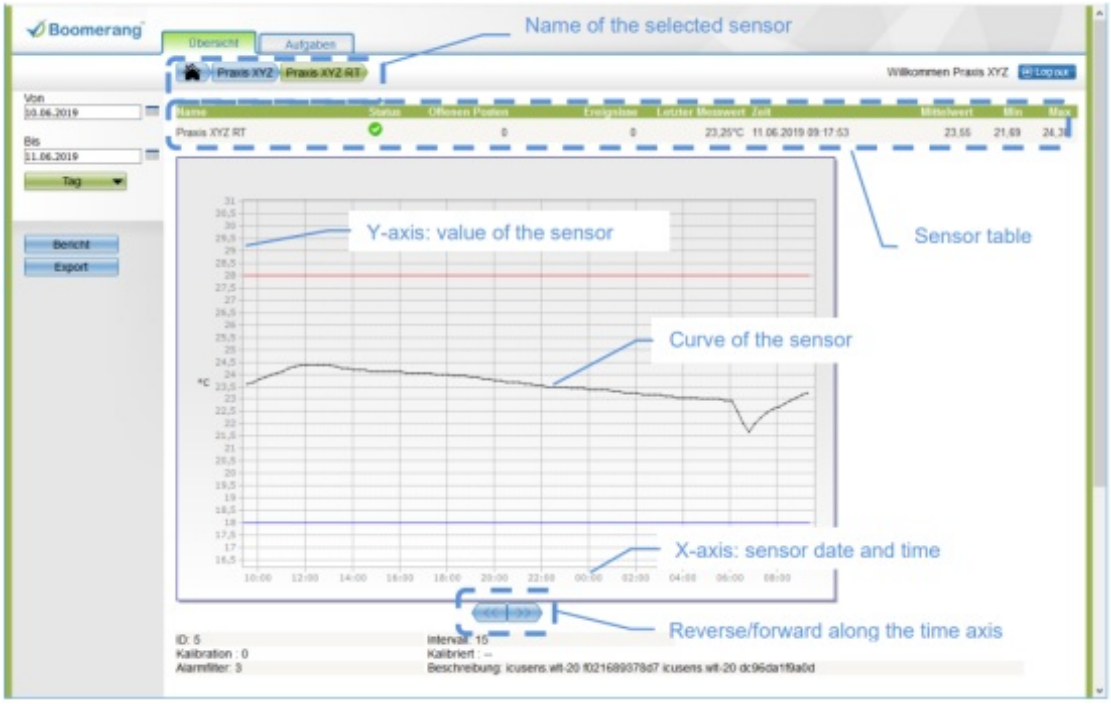
Sensor List

Name	Name of the sensor
Status	Sensor status Meanings of the symbols are described in chapter 4.4
Open positions	Number of open events
Events	Number of alarm events
Last measures val ue	Last measured value of the sensor
Time	Time of the event
Mean value	Average value of all measurements of the displayed time period
Min	Lowest measurement of the displayed time period
Max	Highest measurement of the displayed time period

The list of group events is displayed below the sensor list. It contains the event source name, event time, error type, signature information and signature comment.

Sensor View

The sensor view is opened by clicking on a desired sensor. In this view, detailed information about the sensor is displayed. The measured value diagram and the course of events for the selected period are displayed.

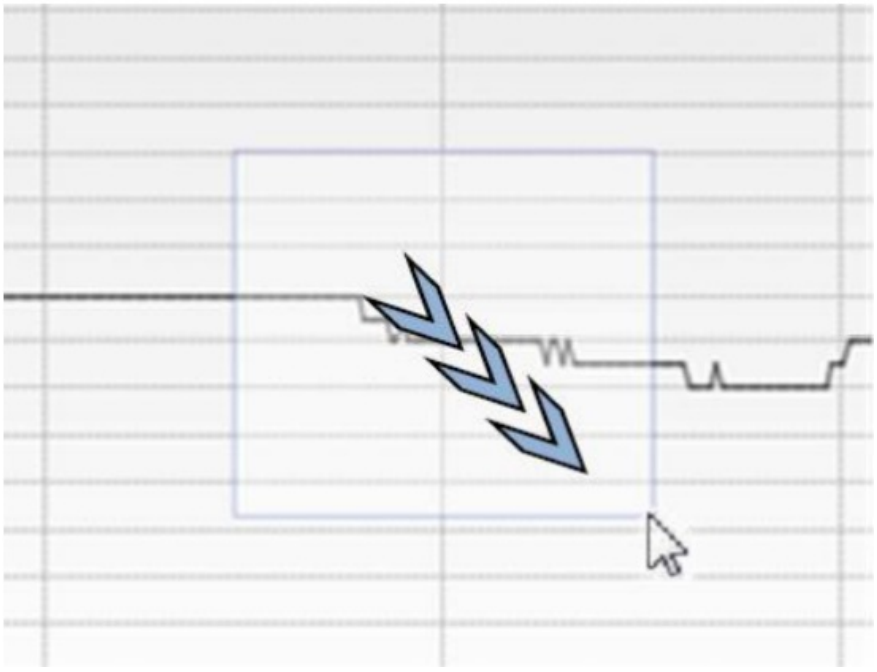


Below the diagram, the sensor ID, measuring interval, calibration value and time, alarm filter and sensor description are displayed.

Zooming the Diagram View

To zoom, use the mouse to mark the desired zoom area from top left to bottom right. To reset the zoom area, mark the selection with the mouse from bottom right to top left.

Zoom:



Reset:

ICU tech Support

The ICU tech support team will be happy to help you with any problems or uncertainties. We provide information during office hours from Monday to Friday between 9.00 and 17.00 hours. You can reach us by phone or e-mail.

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Documents / Resources

	[Icutech GW3 Gateway Weblog Device with Sensor] [pdf] User Manual GW3, GW3 Gateway Weblog Device with Sensor, Gateway Weblog Device with Sensor, Weblog Device with Sensor, Device with Sensor, Sensor

References

- WebLog im App Store
- User Manual