


User Guide

essentim
Web Application

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1. Notes on the Operating Instructions

	Notes
XXXXX	General function names are written in bold, orange capital letters. Example: SENSORS

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2. Setup

2.1 Device Setup

The setup of the gateway to receive data and forward it to the essentim Sensor Cloud is carried out by essentim GmbH in cooperation with the prevailing IT policies and requirements.



Please follow the instructions for correct device installation from the respective essentim device manuals.

Once you turn on an essentim sensor and it is within the range of the gateway, the sensor will appear in the essentim Web Application.

2.2 System Requirement

The system requirement is merely a computer or a tablet with a browser and internet access.

2.3 General Safety Instructions

Please observe the operating instructions of the essentim devices..



2.4 Login

essentim will set up a company subscription (= area) and an owner (= admin account) for this company subscription. The owner of the company subscription can log in through the password provided by essentim at app.essentim.cloud.

2.5 Adding Users

Every user receives a Personal Subscription. The owner can invite users to the company subscription.

To invite a new user to the company subscription, proceed as follows:

- A. The new user goes to <https://app.essentim.cloud> > **LOGIN** > **SIGN UP NOW**
- B. Enter the email address and click on **SEND VERIFICATION CODE**
- C. Check the email inbox. Enter the received code in **VERIFICATION CODE** and click on **VERIFY CODE**
- D. Create a new password
- E. Enter user data and click on **CREATE**
- F. Clicking **CONTINUE** creates a new Personal Subscription



The admin account can now invite the new user to the company subscription: under **USERS** > **+ INVITE** > enter the new user's email address and click on **SEND INVITATION**

3. The essentim Web Application

In the essentim Web Application, all registered devices are displayed, measurement values can be viewed, visualized, and managed. Users can create individual assets to see only what really matters to them with just one click. Moreover, manual or automated reports can be created, as well as notifications and alarms can be set.

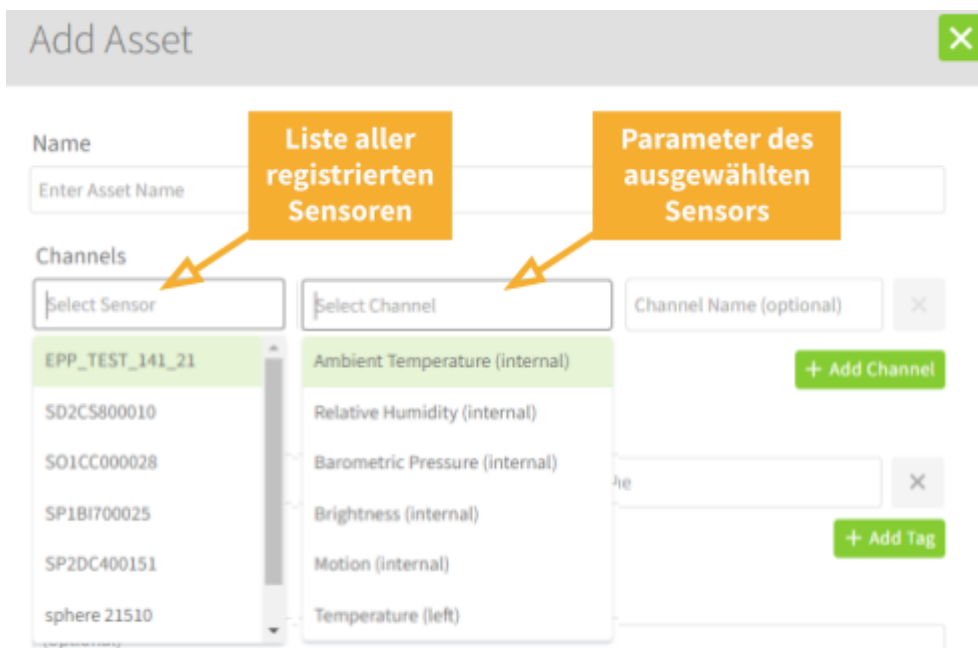
3.1 Assets

Under **ASSETS**, each user can create their individual monitoring. An asset, for example, allows for the division of monitoring into rooms, devices, measurement tasks, or related to persons.



By clicking **+ADD**, a new asset can be created. The user can enter individual **NAME**, **CHANNELS**, **TAGS**, and **DESCRIPTION**.













- Assets
- Sensors
- Reports
- Notifications
- Users



TAGS: Using specifically chosen keywords, which can be entered from the drop-down or individually, allows for more structure and an effective search for the user.

By clicking **SAVE**, the input is confirmed, and an asset is created. All at a glance:

- Point/Field of Interest or devices or rooms
- Alarm status
- Selected parameters
- Current measurement values with units
- Entered threshold values

Name	Tags	State	Channel Name	Value	Unit	Min. / Max.	Action
<input type="text" value="Search..."/>	<input type="text" value="Select..."/>	<input type="text" value="Filter..."/>					
I940	Some long value Freezer ...	✓					 
		✓	Relative Humidity	40.3	%rH	- / -	 
Jans Asset	Stirrer Room 1	✓					 
		✓	Ambient Temperature	21.25	°C	5 / 30	 
		✓	Relative Humidity	52.9	%rH	- / -	 
		✓	Temperature	23.03	°C	- / -	 

3.2 Sensors

Under **SENSORS**, all registered essentim sensors are listed.

Filtering is possible by

- Name (**NAME**)
- Device type (**TYPE**) or
- Online status (**ONLINE**).










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Name	Type	Battery	Online	Channels	Channel Name	Value	Action
<input type="text" value="Search..."/>	<input type="text" value="Filter..."/>		<input type="text" value="Filter..."/>				
▶ PM2DC600012	 Powermeter	0%	●	4			
▶ rbm	 Sphere	55%	●	5			
▶ SD2CS000017	 Spider	-	●	1			
▶ SD2CS000025	 Spider	-	●	2			



By clicking the **ACTION** button, the **DATA HISTORY** of the respective sensor opens. A graph is displayed for each parameter.

The time span of the measured values can be set individually in the pop-up window **DATA HISTORY** under the drop-down **TIME RANGE**. Individual data points with date and time can be hovered over with the mouse cursor.



The various parameters of the sensor open directly under the name in the **CHANNEL NAME** column by clicking into the row of a sensor.

Name	Type	Battery	Online	Channels	Channel Name	Value	Action
Search...	Filter...		online				
▶ SD2CS800010	Spider	0%	●	5			
▼ SP1B1700025	Sphere	94%	●	6			
					Internal Ambient Temperature	21.86 °C	
					Internal Relative Humidity	40.4 %RH	
					Internal Barometric Pressure	999.92 mbar	
					Internal Brightness	0 %	
					Internal Motion	0	
					left Temperature (Probe)	24.62 °C	

Annotations in the screenshot:

- Name**: Points to the device name 'SP1B1700025'.
- Gerätetyp mit Icon**: Points to the 'Sphere' device type and its icon.
- Batteriestatus**: Points to the '94%' battery level.
- Parameter des Sensors**: Points to the list of sensor parameters (Ambient Temperature, Relative Humidity, Barometric Pressure, Brightness, Motion, Temperature (Probe)).
- Alarm Konfiguration**: Points to the alarm and graph icons for the sensor parameters.
- Graph des jeweiligen Parameters**: Points to the graph icon for the 'left Temperature (Probe)' parameter.



For each parameter, the **ALERT CONFIGURATION** can be made via the bell icon. The upper and lower limits of the measurement value as well as warnings and alarms can be set. By checking the box, the warning/alarm is confirmed. With **SAVE**, the entries are accepted.

Alert configuration
✕

SP1B1700025
Ambient Temperature

⚠ warning
🔴 alert

Upper limit value	30	°C	<input checked="" type="checkbox"/>	5	min	<input checked="" type="checkbox"/>	10	min
Lower limit value	2	°C	<input checked="" type="checkbox"/>	5	min	<input checked="" type="checkbox"/>	15	min

Save

3.3 Reports

A manual report can be generated under the button **MANUAL EXPORT**. An automated scheduled report is created under the button **+ADD SCHEDULED**.

1. For a manual report, the following steps are necessary:
2. Reports → **MANUAL EXPORT**
3. Selection of the sensor
4. Entry of the desired time span
5. Resolution/measurement interval
6. Recipient email address(es)
7. **GENERATE REPORT**

- Assets
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- Users

Manual Export
✕

Sensors

Please select

Time Range

Start date End date

Resolution

minutes

Recipients

Enter email address

Generate Report

For an automated scheduled report, the following steps are necessary:

1. Reports → **+ADD SCHEDULED**
2. Selection of the sensor
3. Entry of the desired interval (daily/weekly/monthly)
4. Resolution/measurement interval
5. Recipient email address(es)
6. Check **ACTIVE** to automatically receive reports.
7. **+ADD**

Schedule Report
✕

Sensors

SP1BI700025 ✕
✕

Interval

daily
 weekly
 monthly

Resolution

minutes

Status

Active

Recipients

Enter email address

+ Add

3.4 Notifications

Under Notifications, you can enter the contacts who should receive a warning and/or an alarm when entered threshold values are exceeded.

It is possible to contact via:

- Email
- SMS
- Phone call

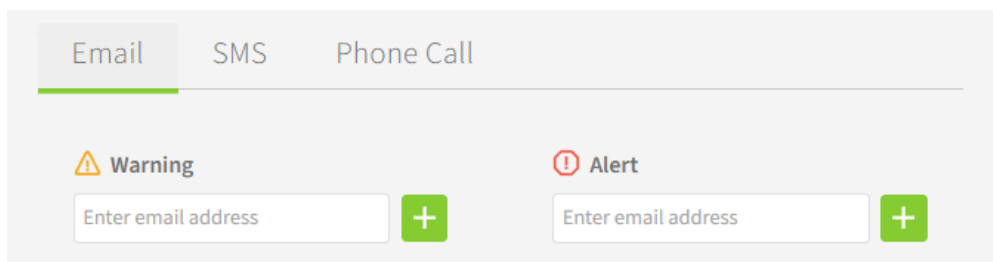
Assets

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The screenshot shows a configuration interface with three tabs: 'Email', 'SMS', and 'Phone Call'. The 'Email' tab is selected. Below the tabs, there are two sections: 'Warning' (indicated by a yellow triangle icon) and 'Alert' (indicated by a red exclamation mark icon). Each section contains a text input field with the placeholder text 'Enter email address' and a green square button with a white plus sign to its right.

 Important: After entering the contact details, confirm with the + button.

4. Maintenance

Updates to the Web Application are announced by essentim and carried out automatically via the essentim Sensor Cloud connection. Updates, support, and response times can be found in the SLA.

support@essentim.com

www.essentim.com

Changelog

12.01.2021	Creation of the user manual	V 1.0
01.09.2021	Adjustment of wording "essentim sensor cloud"	V 1.1
13.04.2022	Address change	
25.01.2024	essentim sensor cloud name change to essentim Web Application and new UI	V 2.0

