



celsicom MM611 Humidity Sensor User Guide

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Quick Guide

- Register as a customer and create an account for the Celsiview cloud service
- The Celsiview cloud service, version 2 (beta), which replaces version 1, is now launched.
- The service can be accessed by clicking on the "Celsiview 2 Beta" button at celsiview.se.
- The instructions below are based on Celsiview 2 and the use of a large screen (not mobile).
- Click on the "Create new account" button. Fill in all the information needed to create the account.
- A verification email will then be sent to the email address provided in the registration process.
- Click on the link in the email to verify the account. If you do not receive an email, please check the spam mail.
- Once the account is verified, a page will pop up with a link to the login page.
- Adding the sensor to your sensor registry and creating measurement locations

Go to the Celsiview 2 login page by clicking on "Celsiview 2 Beta" on celsiview.se and logging in. Select "Sensors" from the menu and then "Add new sensor". Hold the sensor in both hands, place your right and left thumbs on top of the °celsicom logo on the top of the sensor. Now slide the lid upwards/forwards to open it.

Scan the QR code on the sensor with a camera or enter the data, serial number (S/N) and code, manually. The serial number, code and QR code are located under the lid on the right side of the sensor. After the sensor data is displayed, click on "Add this sensor". The cost of the sensor is now presented. Accept by adding the sensor to the shopping cart. Now scan the remaining sensors in the same way and add them to the shopping basket.

Click on the shopping cart and view the contents. A summary of the costs is now displayed. Select an existing invoice recipient or create a new one if none already exists. The invoice recipient should contain all the information needed to be approved by your finance department. The references, cost center, etc. will appear on your invoice.

NOTE! If you are a customer that is set to pay by a voucher code you just enter the voucher code. You don't have to enter any invoice details or select an invoice recipient. Click on "Complete transaction" to activate the sensor. Once the purchase is completed, you will be asked to create measurement locations for the sensor. In order to start measuring and logging metrics, there must be measurement locations associated with the sensor, it is not enough to have simply added the sensor to your sensor register. Click on the button "Yes please, automatically create measurement locations for me!"

Measurement locations are now created, one for each measured that the sensor can measure (temperature, humidity, etc.) and you are redirected to the "My business" menu. The measurement locations are named according to the principle model name + last 5 digits of the serial number + measured. The measurement locations are also placed in a folder (group) with the same name. To rename the group and/or the measurement sites, right-click and select "Rename". It is also possible to change the name via the menu "Measurement

locations” by double-clicking on the current location name and changing it in the box that appears. Alternatively, you can also click on the row you want to change and select ”Go to settings” in the pop-up box or by clicking on the symbol for a wrench on the row. The settings menu also sets alarm limits etc. for each individual measurement location. It is also under the settings for the measurement location that you set which measurement curve to use, e.g. curve for pine, spruce or Protimeter. The default setting is to measure resistance kOhm.

Starting and activating the sensor(s)

Connect 2 AA alkaline batteries (1.5V) in the battery holder. The sensor now beeps to indicate that it is starting up and the orange LED lights up. Both orange and green LEDs will light up shortly afterwards in a constant light while the sensor is searching for a mobile connection. The connection to the mobile network may take several minutes. If no connection is made within 2-3 minutes, disconnect one battery, wait 60 seconds and reconnect it. Some models have a reset switch next to the SIM card. A short press on it restarts the sensor, then you don't need to remove/insert the batteries for restart

When the sensor is connected properly, the orange LED goes out and the green one starts flashing and three short beeps are heard. The green LED now flashes the mobile signal strength every 30 seconds for 15 minutes. 3 blinks=high level, 2=medium and 1=low. Feel free to move the sensor to achieve the best possible strength. A better signal strength gives a longer battery life. For 45 minutes, the sensor now sends data every 3 minutes. After a total of 60 minutes, the sensor will switch to transmitting less frequently to save battery power.

Reports

To print or export reports/measurements, click on ”Reports” in the menu. Select what to display in the report/graph using the menu options above the graph. It also selects the time period you want to look at. Click on the ”Export” button to download or send the report as e.g. an Excel file or PDF.

My business

In the ”My business” menu, sites can be structured in different groups/folders. Right-click on ”Groups and locations” to create a group/folder. A group or location can also be shared with another person by right-clicking on the location or group and selecting ”Share”. Select ”Share with users” > ”Add new user”, fill in the email address of the person who will be assigned to the location/group. Automatically, the username of that person will be set to the same as the email address. Click on ”OK”. The new recipient now appears in the list of selectable recipients.

Select the rights the new user should have. Click on ”OK”. The new user will now receive an e-mail asking him to choose a password. The new user can then log in with their details and will have access to what has been distributed.

Add alarm recipients

Log in to the account. Click on the menu item ”Administration” > ”Alarm recipients”. Click on ”+ New alarm recipient”. Add the e-mail addresses/SMS numbers where the alarms will be sent. Test the alarm by clicking on the letter symbol of the recipient to which the test should be sent. **NOTE!** Ensure that it is properly delivered.

Other information

Stainless steel screws work well as measuring points in the measurement object (wooden structure). Nails/spi-kes may drop out of the material as it dries. Avoid interference with the measurement signal by following these points:

- The MM611 with its bus cable and measurement cables should be placed at least 1 meter away from electrical equipment or power cables
- The measurement cables are sensitive to ESD/static electricity. Take measures to protect them. A jagged/uneven measuring curve indicates interference at the measuring point

The sensor should be mounted with the three half-rings on the cover facing upwards. If the sensor is to be mounted against a metal surface, magnetic mount 7040 0060 (or other non-metallic spacer) must be used to bring the sensor out at least 10 mm from the mounting surface. Otherwise, the metal surface will interfere with the connection of the sensor and the measurement data will have difficulty reaching our servers.

Support

All support is handled by our distributors. See celsicom.se for more information. User manuals and other support material are available at support.celsicom.se.

Model	Measurand	Range	Maximum deviation
MM611	Resistance (normal)	200kOhm to 800MOhm	±15%
	Resistance (max)	50kOhm to 1GOhm	Not defined
	Moisture ratio Fur Trätek (normal)	12% to 26%	±3% of measured value
	Moisture ratio Fur (max)	11,5% to 45%	Not defined
	Rotameter WME A (normal)	10% to 25%	±3% of measured value
	Rotameter WME A (max)	9,5% to 50%	Not defined

Connection	NB-IoT (LTE Cat NB1) B20. 23 dBm output power
Batteries	2 x AA/LR6 1.5V (not included)
Battery life	Depending on transmission interval. Example at 20°C, good signal quality, measuring every 5 minutes and transmitting every 3 hours: > 12 months
Measurement and transmission interval	Measurement and transmission interval Adjustable by user via Celsiview cloud service.
Memory	200 measurements
Size	Enclosure 78 (w) x 114 (h) x 30 (d) mm
Weight	114 grams (T/TH600, without batteries)
Mounting method	Vertical mounting with screw holes facing upwards NOTE! If the sensor is to be mounted against metal, magnetic mount 7040 00 60 can be used. (Or other 10 mm spacer, not made of metal)

Celsicom AB


Härdgatan 28 A, 432 32 Varberg SVERIGE

celsicom.se




support.celsicom.se

Version of user manual: 11

Documents / Resources

	<p>celsicom MM611 Humidity Sensor [pdf] User Guide MM611 Humidity Sensor, MM611, Humidity Sensor, Sensor</p>
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References

-  [Celsicom AB – Remote monitoring made easy](#)
-  [Celsiview](#)
-  [Support - Celsiview](#)

Manuals+.