Celsicom THR600 Sensors for Radon Temperature and Relative Humidity User Guide

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Quick Guide

Register as a customer and create an account for the Celsiview cloud service
At the moment the Celsiview cloud service, version two, can be tested, it can be accessed by clicking on the ”Celsiview 2 Beta” button on celsiview.se. The instructions below are based on Celsiview 2.
Click on the ”Create new account” button. Fill in all the information needed to create the ac-count. 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, plea-se check the spam mail. Once the account is verified, a page will appear with a link to the login page.

Adding the sensor to your sensor registry
Go to the Celsiview 2 login page by clicking on ”Celsiview 2 Beta” on celsiview.se and log in. Se-lect ”Sensor” from the menu and then ”Add new sensor”. Now scan the sensor or enter the data manually (S/N + control code written on 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 basket. Now scan the remaining sensors in the same way.
Click on the shopping basket and view the contents. A summary of the costs is now displayed. Select or create an invoice recipient. The invoice recipient should contain all the information needed to be accepted by your finance department. The references, cost centre, etc. will appear on your invoice. Click on ”Complete transaction!” to activate the sensor.

Start and activate the sensor(s)
Plug an AC/DC adapter (12V ≥1A, plus on centre pin) into the designated socket on one short side of the sensor. A short beep will be heard immediately. The sensor will now look for the ne-arest mobile mast to connect to. When the connection is complete, three short beeps are heard. The connection can take up to 4-5 minutes. If nothing happens, restart the sensor. If no three beeps are heard, there is probably no mobile signal for the NB-IoT network where the sensor is located. Try moving the sensor slightly.
For 45 minutes, the sensor now sends data every 3 minutes. After a total of 60 minutes, the sen-sor switches to transmitting less frequently to save battery power. To restart the above process or if the sensor does not connect properly, disconnect one of the batteries, wait 60 seconds and reconnect it again.

Add/change measurement locations linked to the sensor
Click on ”Sensor” in the menu. Click on the plus sign at the far right of the line where the sensor is displayed. Enter a prefix, e.g. Sensor 1, Cellar or similar. Click on ”OK”. Locations have now been created for the various measurements. By clicking on ”Locations” in the menu, the measurement locations are now visible.
To change a setting/name of a location, click on the tool icon on the right of the row or click on a row and select ”Go to settings”.
By clicking on the star symbol on the far right of a location row, or selecting ”Make into favourite” after clicking on a row, that measurement will appear as a favorite (widget) on the home screen.
(Menu item ”Home”)
The options ”Settings”, ”Reports” and ”Make into favourite” etc. are also accessible by simply clicking on any row/location on the ”Locations” page.

Reports
To print or export reports/measurements, click on ”Reports” in the menu. Select what to display in the report/graph by 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 into different groups/folders. Right-click on ”Groups and locations” to create a group/folder. Then drag and drop the measurement locations you want into any group.
A group or location can also be shared with another person by right-clicking on the location or group and selecting ”Share”. Select ”Create new user”, enter the email address of the person to be assigned to the site/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 username in the top right corner. Select ”Alarm handling”. Add the email addresses/SMS numbers where alerts should be sent. Test the alarm by clicking on the letter symbol of the recipient to which the test should be sent. NOTE! Make sure that it get delivered.

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**

Specifications

Radon measurement principle	Filtered diffusion to high-voltage measuring chamber
Radon detection method	Alpha spectrometry
Range	0 – 4 000 Bq/m3, -30°C to +70°C, 0-100% RH
Radon integration time (time to stable measured values)	1 hour after start-up
Uncertainty	Radon: typically within 25% at 200 Bq/m3 and 20°C. Tempera- ture: ±0.5°C. RF: ±3%.
Connection	NB-IoT (LTE Cat NB1) B20 Power 23 dBm
Power	12V DC / 1A (+ center pin)
Measurement and trans- missio n interval	Adjustable by users via the Celsiview cloud service. Default is measurement every 5 minutes and transmission every 30 minutes.
Memory	200 measurements
Size	225 x 110 x 63 mm
Weight	510 grams
Operating range	0 – 60°C, 0-90% RH, non condensating
Calibration	The unit is calibrated and adjusted at the factory
IP-class	20
Certificate	CE

- Celsicom AB
- Härdgatan 28 A, 432 32 Varberg SVERIGE
- **celsicom.se**
- **support.celsicom.se**

- Version av bruksanvisning: 9

Documents / Resources

	**Celsicom THR600 Sensors for Radon Temperature and Relative Humidity** [pdf] User Guide THR600, Sensors for Radon Temperature and Relative Humidity, THR600 Sensors for Radon Temperature and Relative Humidity

References

- Celsicom AB – Remote monitoring made easy
- Celsiview
- Support - Celsiview