

## Sensor calibration / control measurement

### Preface

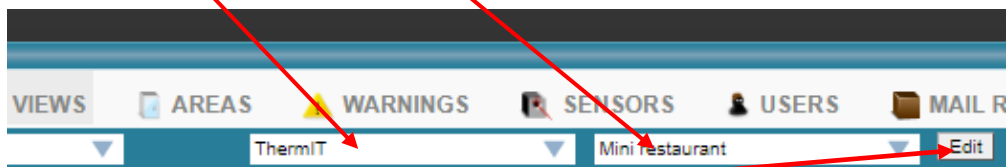
Sensor control measurement (calibration) can now be done by customers directly from the ThermIT webportal.

***Make sensor control measurement (calibration) in the environment where the sensor is placed.***

1. You need to have a control measured sensor either with short or long antenna. If you have sensors with long antenna installed, we recommend that you buy a “Control measurement sensor” with long antenna from ThermIT or from one of our resellers.
2. You can buy a “control measurement sensor” which will be control measured with certificate from ThermIT or you can buy a DANAK certified “Control measurement sensor” from ThermIT or reseller. The DANAK certified “control measurement sensor” will have an extra cost per measure data point.
3. We recommend that the “control measurement sensor” is controlled once per year by ThermIT for a new ThermIT certificate or DANAK certificate. If the “control measurement sensor” does not hold the specifications in the 3 Year warranty period, ThermIT will exchange the sensor with a new one free of charge.

### Preperation

1. Before you start the calibration you must ensure to have the correct name, mobile phonenumber and mail address setup in the department on the ThermIT WebPortal.
  - a. Go to your webbrowser and enter <https://system.thermit.dk> and login to the system
  - b. Select your Company name and Department name where the sensors for calibration is stored.



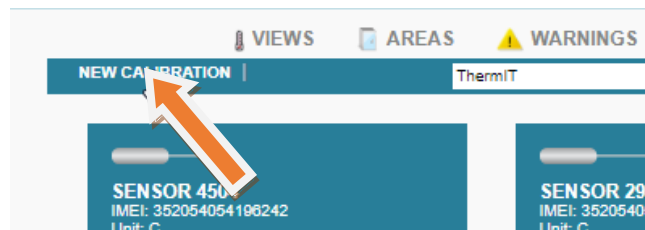
- c. Push the button “Edit”, and check that the Names, phone numbers and mail address is correct relating to the person who is responsible for the control measurement procedure. This person will get a message, as soon as the control measurement (calibration) is done, and you will be ready to start the next session with a another sensor in you department.
- d. Every time a session is ended a certificate will be created on the cloud server and you will have access to write out the document on each sensor at any time.

## Ref: Control measurement for calibration

1. Take the new "Control measurement sensor" and place it in the unit where the "Target sensor" are mounted, and be sure that the 2 sensors are placed very close to each other, it will be best to strips them together. If it is in a closed room and with long antenna, then be sure to get the "Control Sensor" antenna out of the room also. Be sure that the new "Control measurement sensor" have been in the mainmodul area for at least 2 hours.
2. Login to thermit Webportal <https://system.thermit.dk> with your login name and password.
3. After selecting your Company and Department in the drop down meny, then go to the menu "SENSORS"



4. Now press the menu "New Calibration"



5. A new window will popup and now you can select the reference "Control Sensor" and the target sensor, the target sensor is the sensor that you want to make the control measurement on.

Create calibration

Reference sensor

Target sensor

Start time

End time

6. Set the "end time" to at least 4 hours after the "start time", if the calibration has not finished within 4 hours, you will get a message saying that the calibration is "FALSE". If the system finds 3 measurements for both sensors within the period and within +/- 0,5° C the system will create a document on the cloud server, and send you a message that the calibration is "TRUE"
7. Now you can proceed with other sensors

**ThermIT ApS.**