THERMOSCAN IP USER MANUAL

PLUG&TRACK by PROGES PLUS

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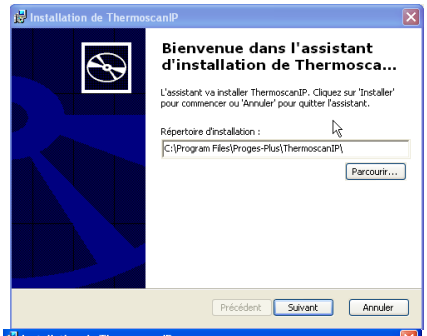
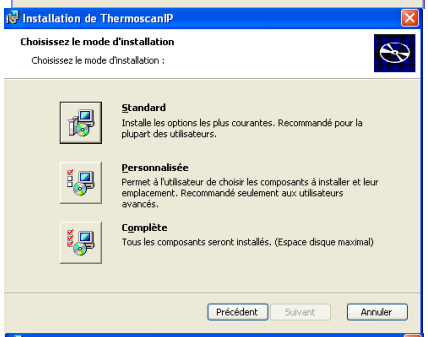
1 Install ThermoScan IP

Insert the CD ROM in the reader. The installation menu appears automatically.

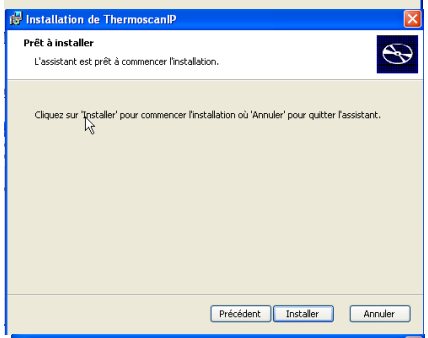
Click « Install ThermoScan IP »



Click «Next »

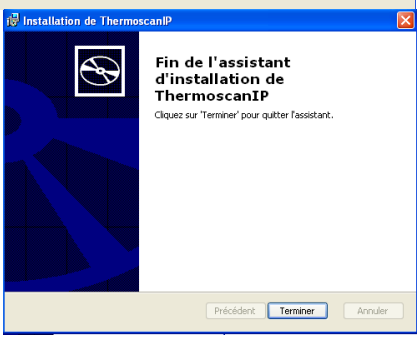


Click « Standard »



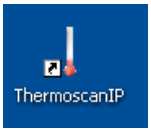
Click « Install »

Click « Finish »



The installation of ThermoScan IP is finished.

To use ThermoScan IP, plug the dongle in one of the USB port of your computer. If you don't plug it, you will remain in demo version.

Then, click the ThermoScan IP icon on your desktop. 

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2 Installation of your Sensor Net Connect and Sensors

Your temperature monitoring system is delivered with the following contents:

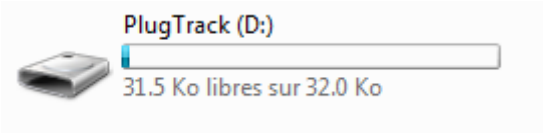
- 1 Sensor Net connect
- 1 power adapter
- 1 to 3 temperature sensors
- 1 Installation CD ROM

2.1 Connection of the Sensor Net Connect

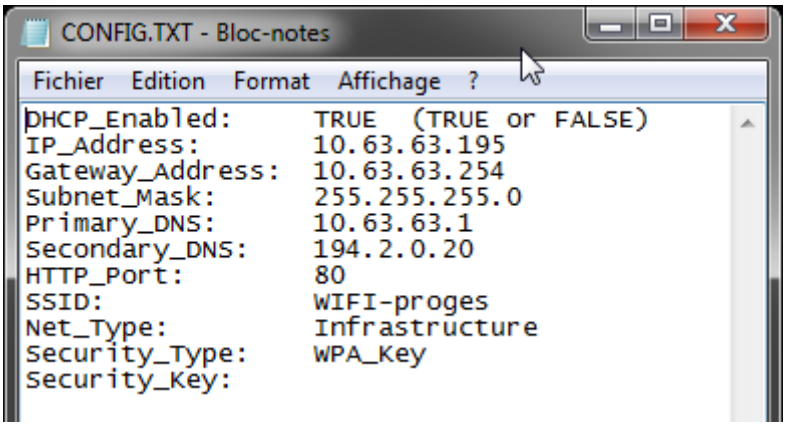
- Connect the Sensor Net Connect on a power socket, using the micro USB 5V power adapter
- Connect the Sensors on the RJ12 ports
- Connect the Sensor Net Connect on your network using an CAT 5 or CAT 6 Ethernet RJ45 cable
- If you use a Wi-Fi Sensor Net Connect WIFI, go to section 2.1.1 otherwise go to section 2.1.2

2.1.1 If you use a Wi-Fi Sensor Net Connect

- Use a Micro USB to USB 1 cable. Plug the micro USB connector to the Sensor Net Connect and the A connector to your PC. The Sensor Net connect will behave like an external drive.



- Double click on the icon. It will open a CONFIG.TXT file where you will see all default setting.



- Enter the correct IP settings(if needed)
- Enter the Wi-Fi settings
  - SSID (Name of the Wi-Fi Network)
  - Net_Type : type Infrastructure
  - Security Type : See below
  - Security_Key : Password of your Wi-Fi Network
- Save the file. Now, your Sensor Net Connect is ready to be placed on your network

Security type

- WEP_40: Wired Equivalent Privacy, requires 5 ASCII characters or 10 hexadecimal characters (0-9 or A-F).
- WEP_104: Wired Equivalent Privacy, requires 13 ASCII characters or 26 hexadecimal characters (0-9 or A-F).
- WPA_Key: Wi-Fi Protected Access, also called WPA-Personal. Requires 64 hexadecimal characters (0-9 or A-F).

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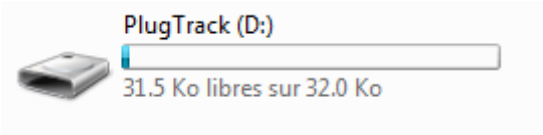
- WPA_Auto_Key: Device will connect to access point using WPA2-Personal if it is supported, otherwise it will use WPA-Personal. Requires 64 hexadecimal characters (0-9 or A-F).
- WPA_Passphrase: Wi-Fi Protected Access also called WPA-Personal. Requires between 8 and 63 ASCII characters.
- WPA_Auto_Passphrase: Device will connect to access point using WPA2-Personal if it is supported, otherwise it will use WPA-Personal. Requires between 8 and 63 ASCII characters.
- WPA2_Key: Wi-Fi Protected Access II, also called WPA2-Personal. Requires 64 hexadecimal characters (0-9 or A-F).
- WPA2_Passphrase: Wi-Fi Protected Access II, also called WPA2-Personal. Requires between 8 and 63 ASCII characters.
- Notes:
- WPA-Enterprise and WPA2-Enterprise are not supported.
- WEP is the only security mode supported for AdHoc.
- WPA_Passphrase and WPA2_Passphrase revert to WPA_Key or WPA2_Key after the settings have been saved.

2.1.2 If you use Dynamic IP Address

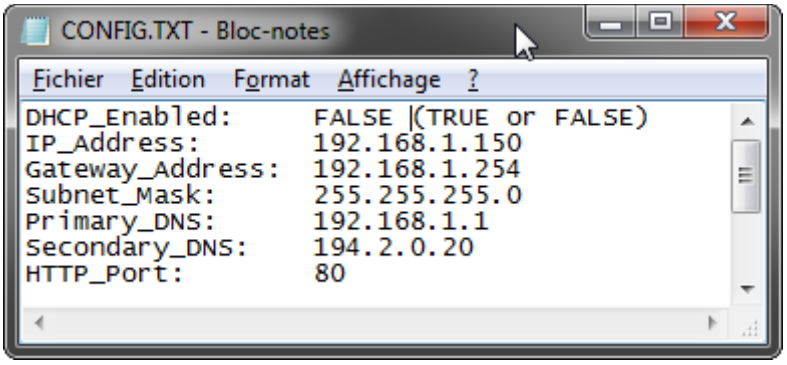
Just plug the Sensor Net Connect on a network jack and go to section 3

2.1.3 If you use Static IP addresses

- Use a Micro USB to USB 1 cable. Plug the micro USB connector to the Sensor Net Connect and the A connector to your PC. The Sensor Net connect will behave like an external drive.



- Double click on the icon. It will open a CONFIG.TXT file where you will see all default setting.
- Enter the correct IP settings



- Launch the Software using the icon on your desktop

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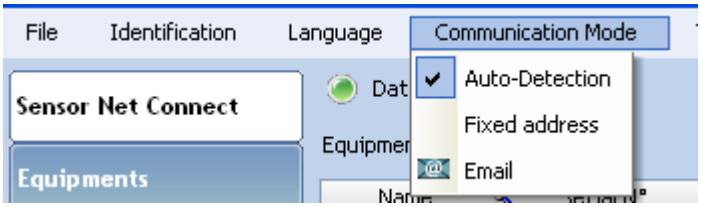
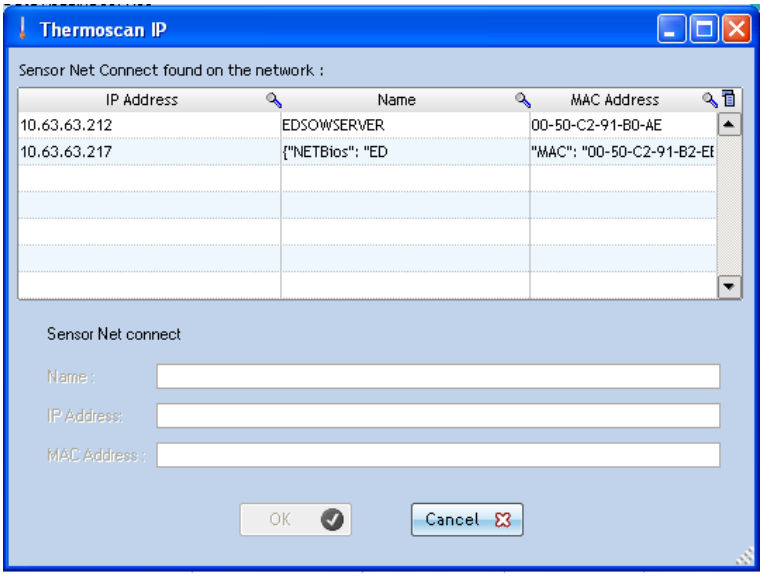
3 Setup ThermoScan IP

3.1 If you use dynamic IP addresses

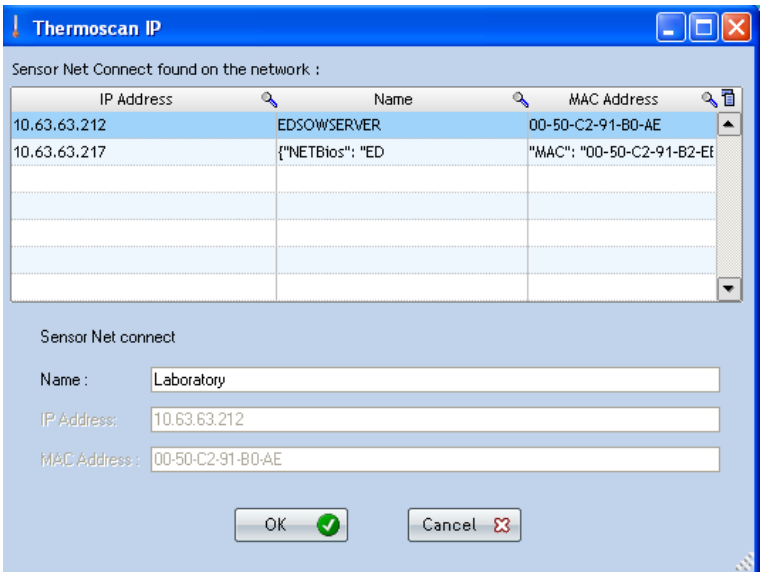
If you use dynamic IP addresses, use the menu « Communication mode » and select the option « Auto-detect ».



Click « New » 



The list of the Sensor Net Connect found on the network is now displayed. Click the line of the Sensor Net connect you want to set and enter a name (example: Laboratory).



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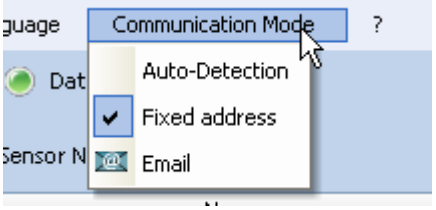
Click « OK » and go to section 3.31 Set Equipement

3.2 If you use Static IP addresses

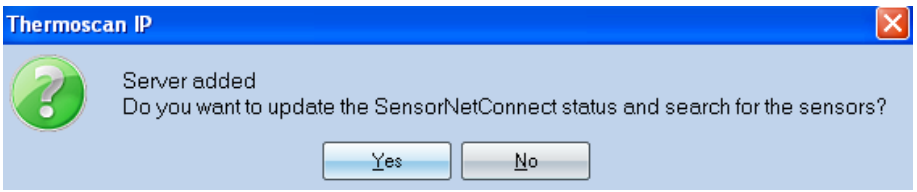
If you use fixed IP addresses, use the menu « Communication Mode » and select the option « Fixed address ».



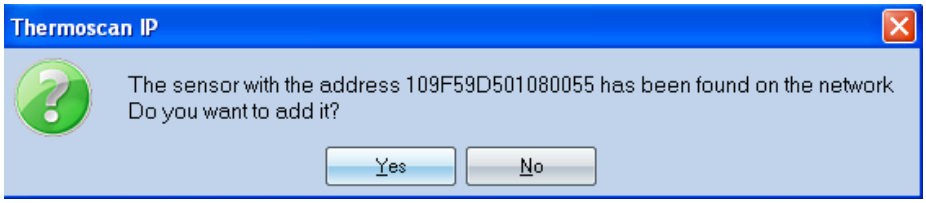
- Click « New ».
- Enter the name and the IP address of the Sensor Net Connect.
- Click « OK ». and go to section 3.31 Set Equipement

3.3 Search sensors

When the server added, a message asks you if you want to search the sensors.



Click « yes » to search the sensors.



Once the sensor is detected, the system indicates its serial number and asks if you want to want to register the sensor.

Click «yes » to add it.

Sensors list :

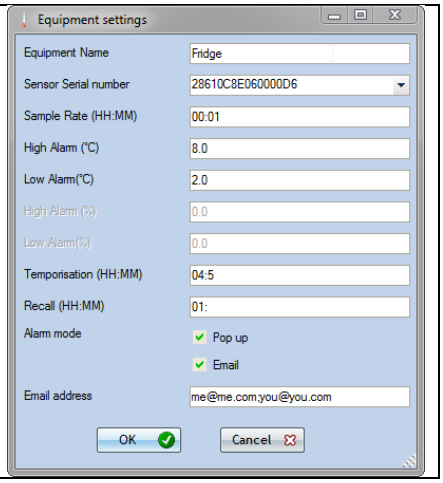
Equipment Name	Serial Number	Samp. Rate	Temperature	Date Time	Status
N/A	D90008021F081410	00:00	24 °C	15/02/2011 10:04	OK
N/A	950008021F0B0710	00:00	28 °C	15/02/2011 10:04	OK
SondeXYZ	1080F51E02080071	00:01	20.5 °C	25/02/2011 15:44	Impossible to contact
N/A	109F59D501080055	00:00	21 °C	02/03/2011 14:19	OK
N/A	7E5420000010004A	00:00	21.135 °C	02/03/2011 14:19	OK

The sensors are shown in the sensors list.

3.4 Set Equipements

Click twice the line of the sensor you want to set.

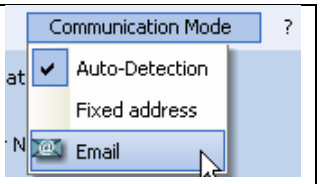
- Enter the name of the sensor.
- Sample rate: Enter the sample rate (the sensor will log the temperature with this rate).
- High alarm, Low alarm: There are the maximum and minimum thresholds.
- Temporization: The alarms temporization enables to generate alarms only after certain duration.
- Alarm mode: Select Email and / or Pop Up. Emails must be separated by “;”

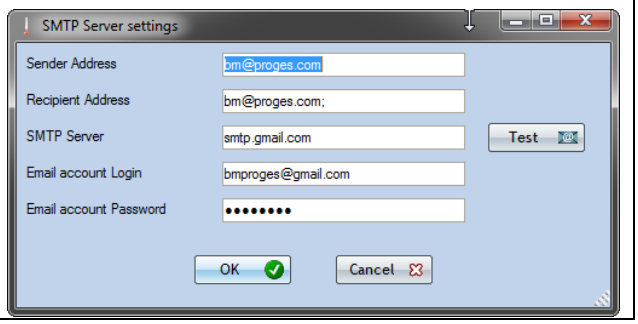


3.5 Email configuration

You need to configure Thermoscan IP to let it sent emails.

- Go to « Communication Mode » and « Email » and set the parameters
- Ask your administrator for details
  - Send a test Email to check your settings
  - Click« OK ».





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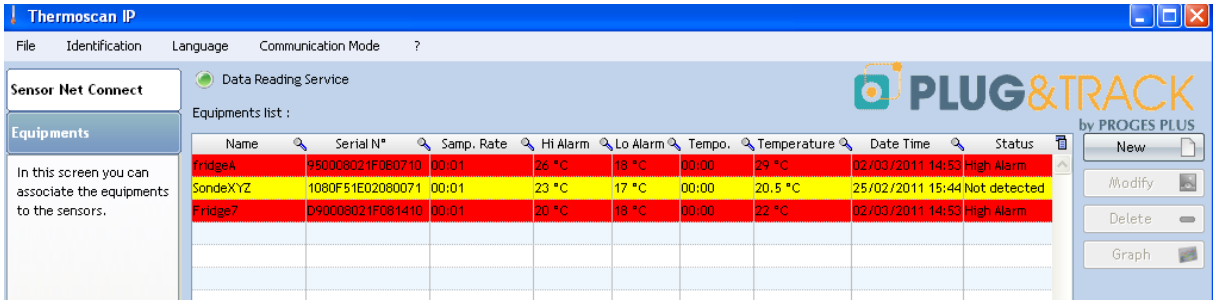
4 View Data

Click the tab « Equipments » on the left of the main screen.

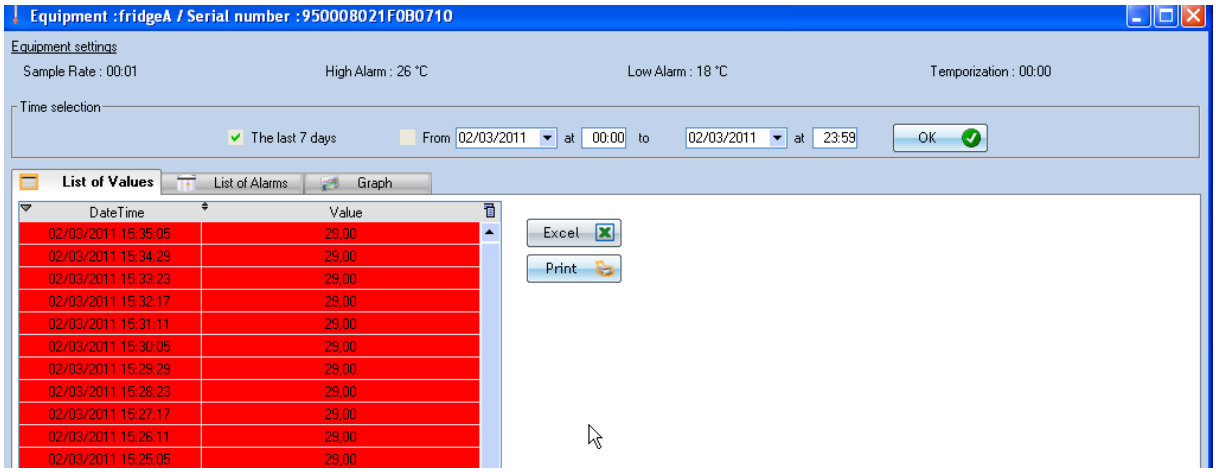


The table shows the basic settings, the date and the value of the last measurement and the status (OK, High Alarm, and Low Alarm, not detected).

The line is displayed in red if the equipment is in High Alarm, in blue if in Low Alarm and in yellow if the sensor is not detected.

Click on one of the lines to see details.

By default, you can see data of the last 24 hours. If you modify the period, click “OK” to update the information.



In this window, you can see three different tabs.

4.1 List of temperatures

This tab shows the date/time and the temperatures logged.

You can export these data to an Excel file by clicking the button “Excel”; you can also print these data by clicking “Print”. A print preview is displayed, with this print preview

You can print directly, export with a Word format, with an Excel format, send the data by Email, etc…

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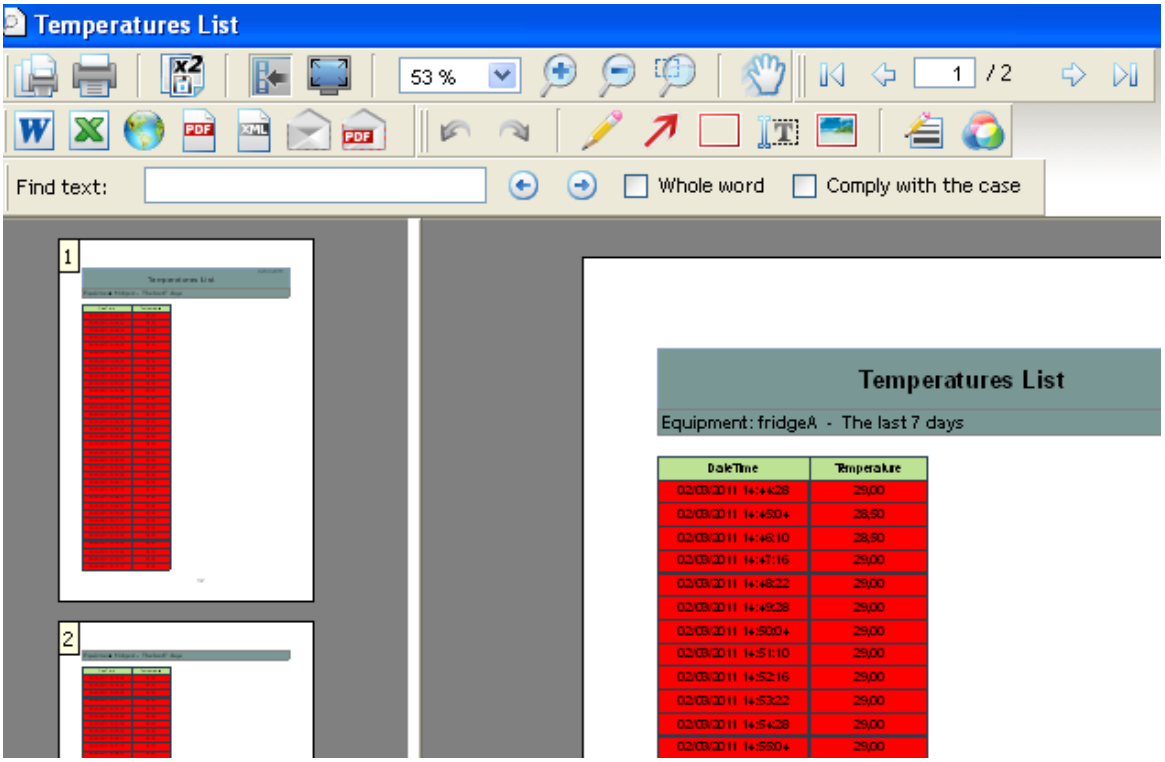
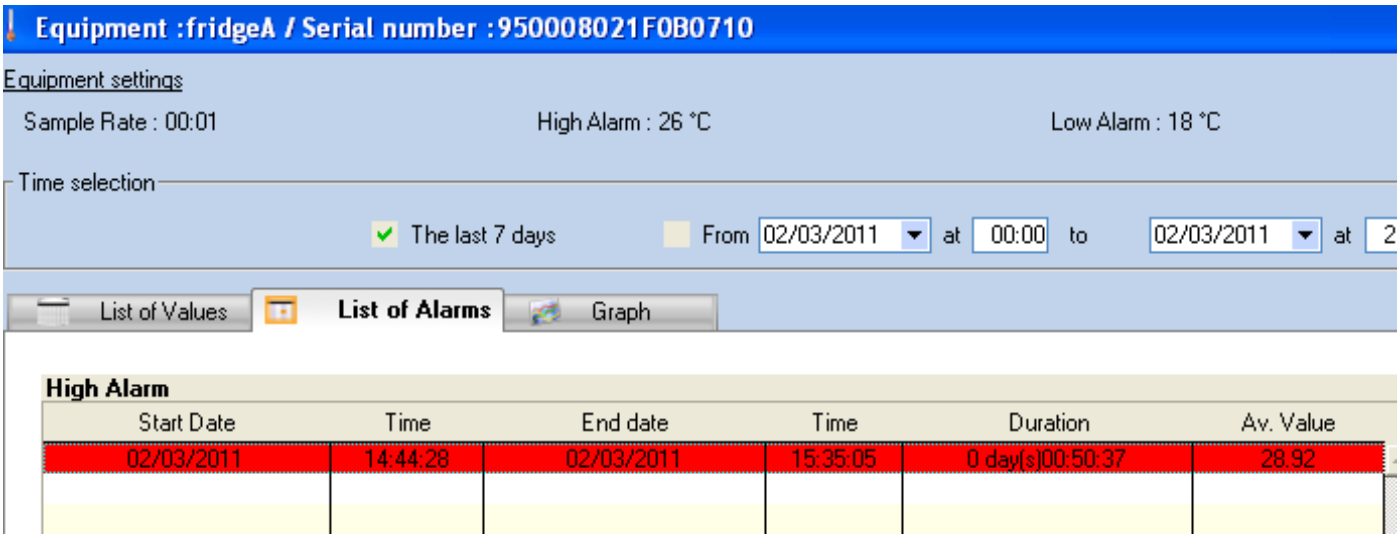


4.2 List of alarms

This tab shows the periods of time when the temperatures were out of the thresholds, with the start and end date, the duration and the average temperature.



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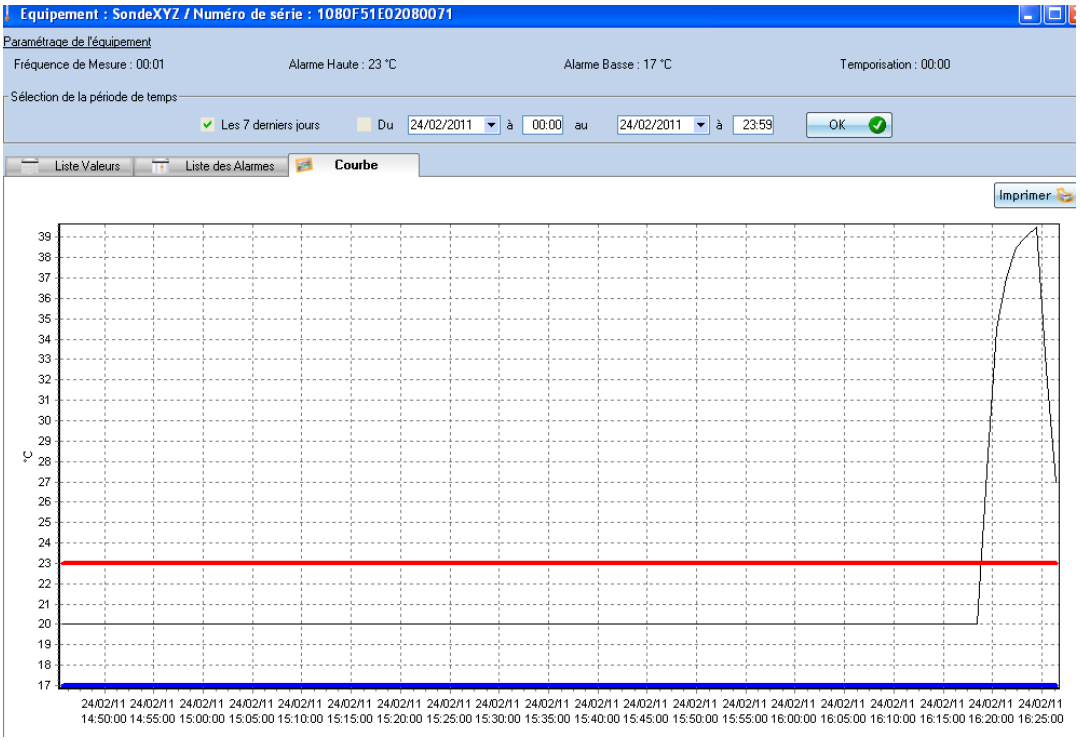
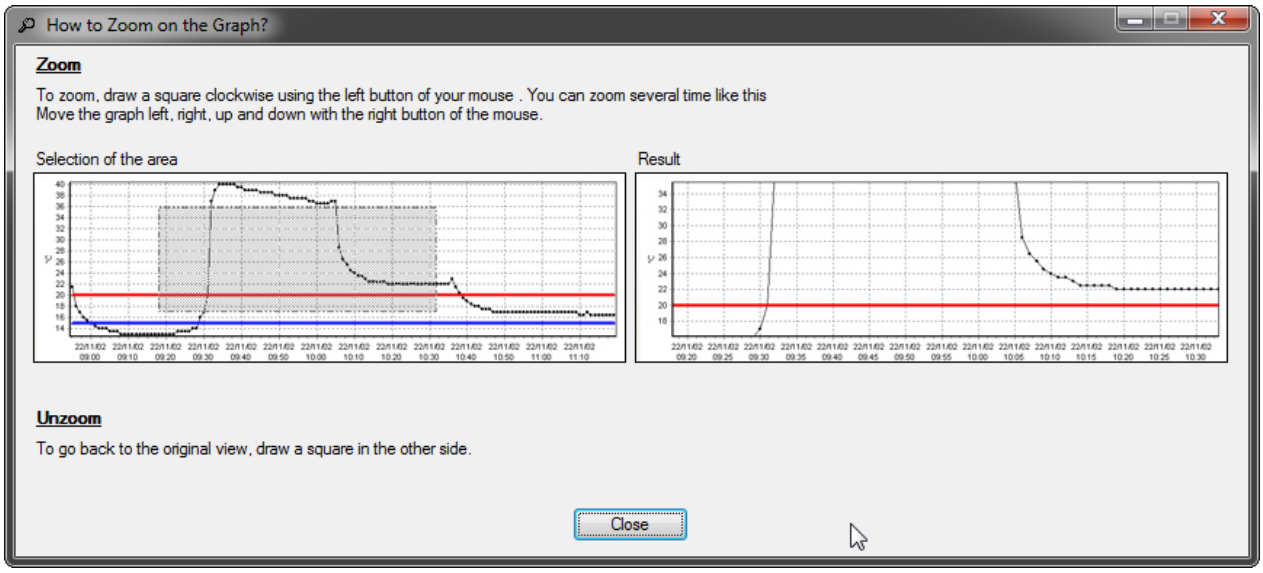
You can also print the list of alarms.

4.3 Graph

This tab enables to see the information in a graph



You can zoom on the graph. See instructions below

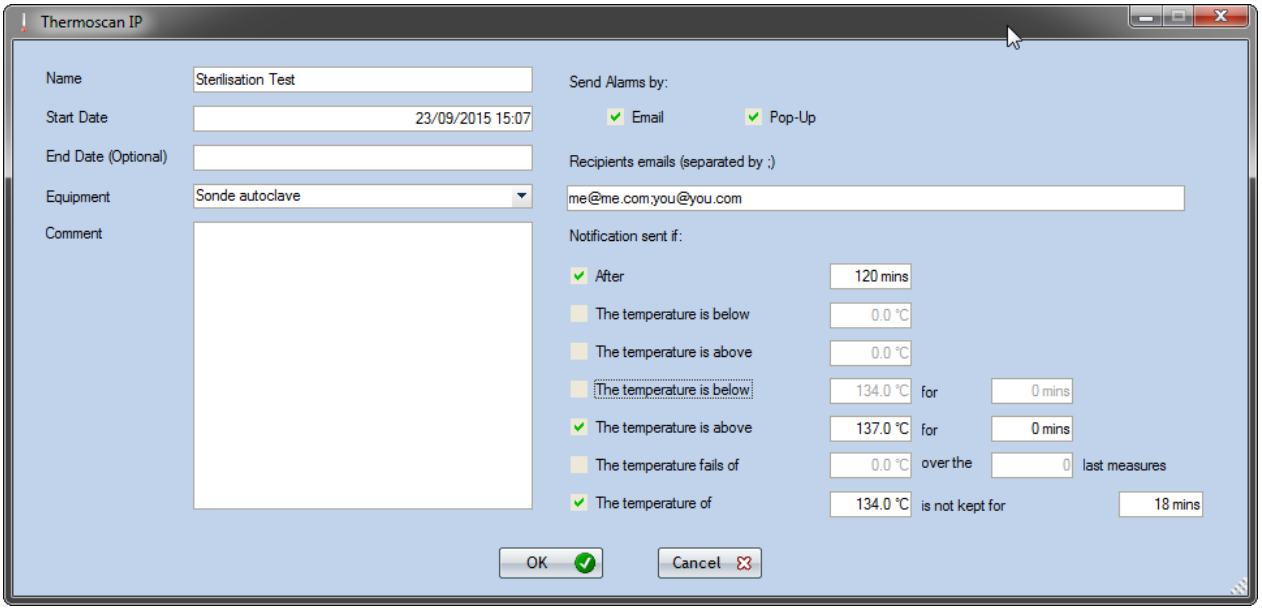


You can also print the graph.

5 Process Control

You can control production process with multiple alarms conditions

Click the “Process” button and set a new process. Enter its details and chose the appropriate alarm conditions



Once the process has stated, you can view data in real time and get alarms depending of conditions you have sent.

You can then save this data, print it an export to Excel

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6 Various

6.1 Purge Data

If you want to backup data on another PC, you can use purge data and later restore it.

Follow the instruction from the Maintenance menu.

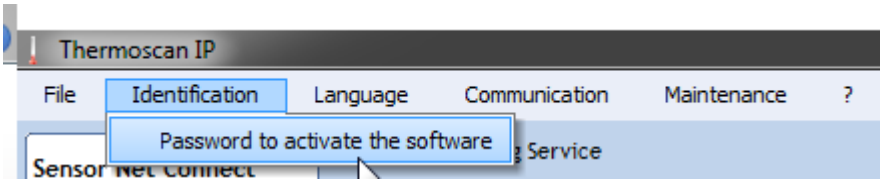
6.2 Close Thermoscan IP

You can click the icon to put the application in the system tray. The icon appears near the PC clock. You can click the icon again to see ThermoScan IP.

A password is requested to close Thermoscan IP. The password is **thermoscanip**

If you stop ThermoScan IP, the log will continue and the alarm emails will still be sent. But you won't get any Pop-ups any more.

You can activate a password when opening the software. This password will be also requested to activate the application when it is in the system tray.



The password is **thermoscanip**

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