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USB-SENSY SOFTWARE USER'S GUIDE

THE USB-SENSY software helps you reading, displaying and making real-time analysis of SENSY load cell's electrical measurements via the "COND-USB" module

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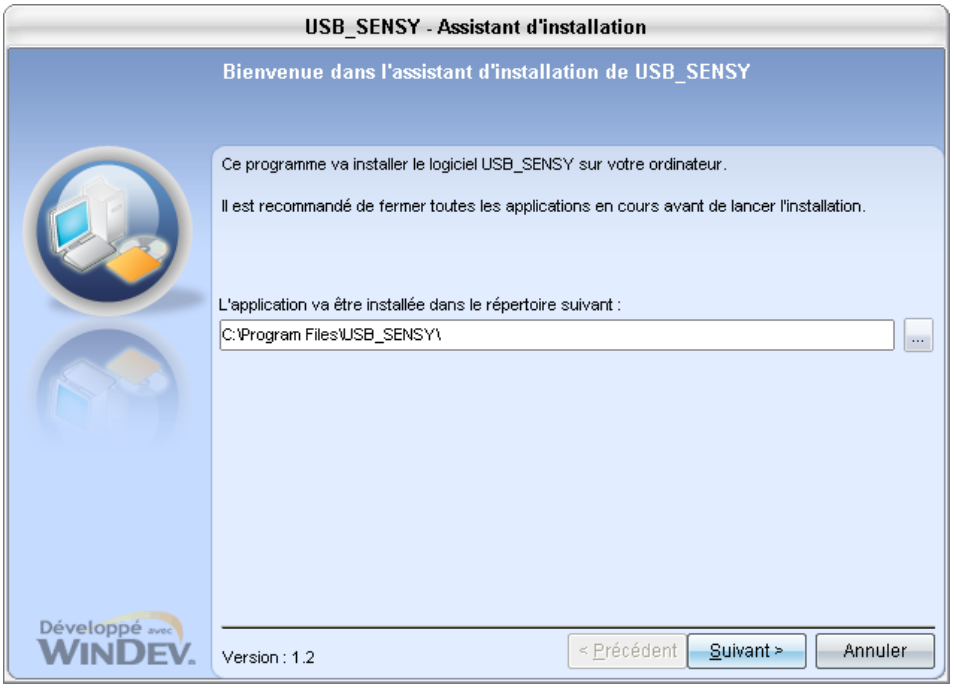
1. SOFTWARE INSTALLATION

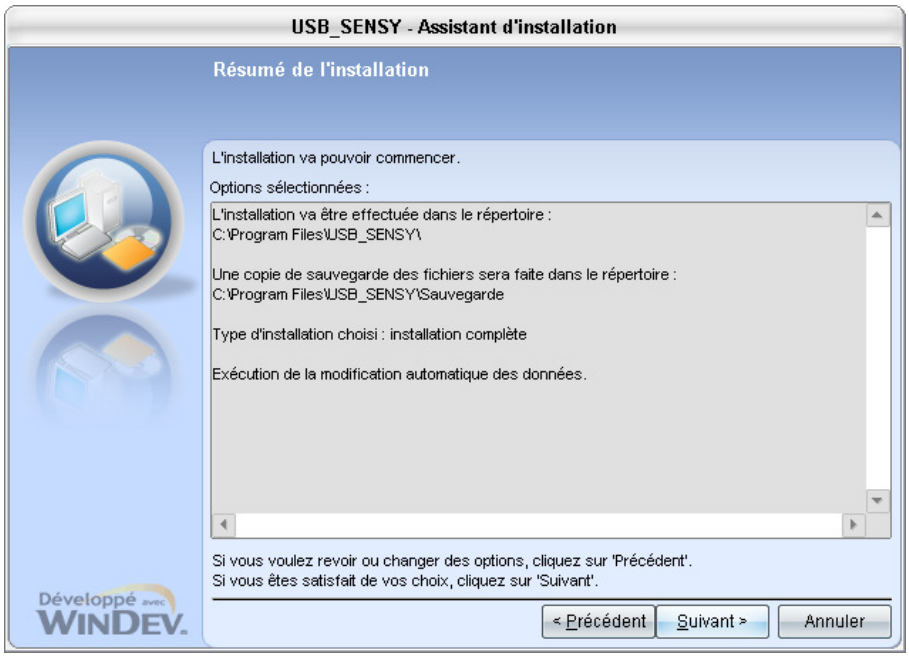
Click on the « INSTALL » button to begin the installation

Choose your language :

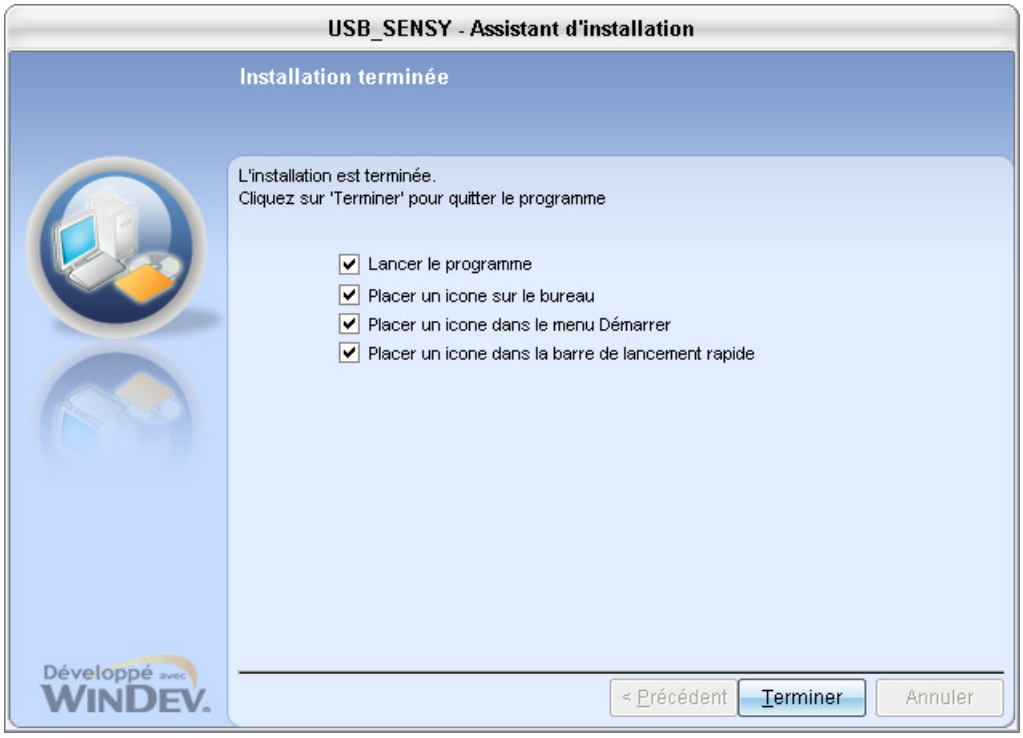
Choose the software location :



Click on the « Next » button to continue :



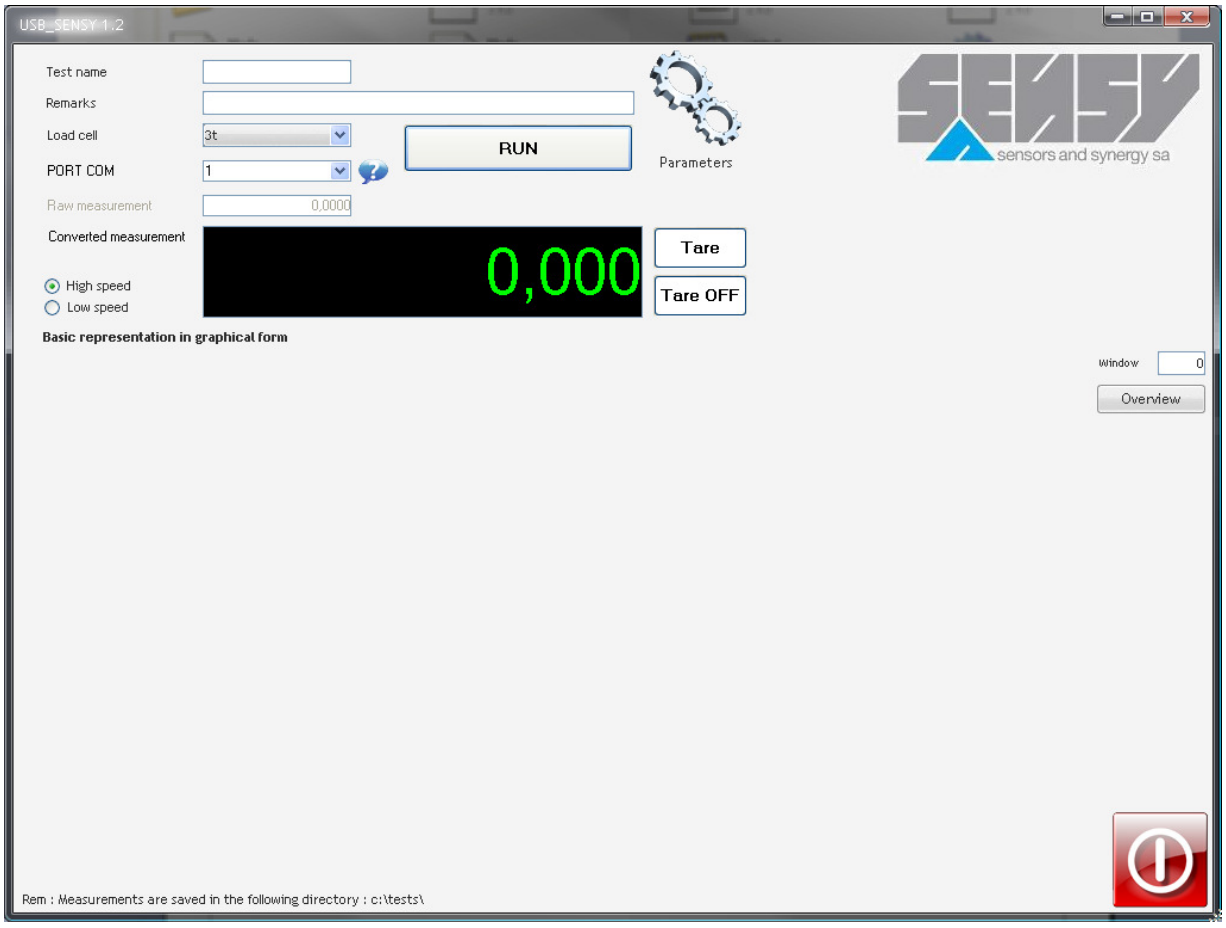
Select the additional tasks :



2. SOFTWARE START AND USE

On your desktop, click on this icon :

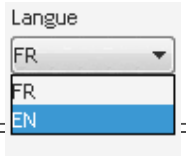
Welcome screen :



2.1. Choosing your language

Click on « Parameters » :

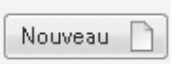
Choose your language in the dropdown list :



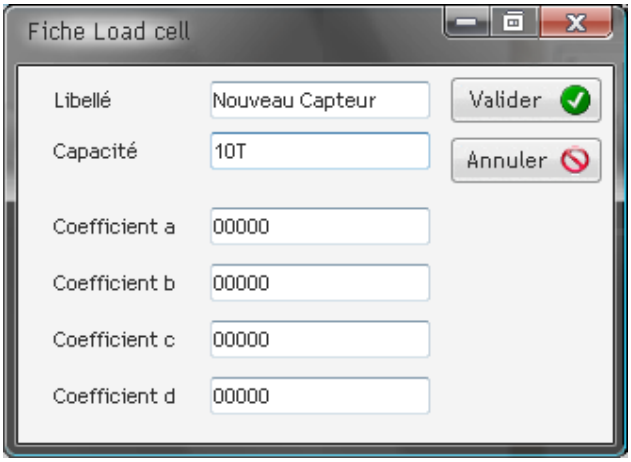
2.2. Configuring your load cell

Click on « Parameters » :

Select « New »



Type in the load cell's data :



The coefficients are given on the control certificate received with your load cell.

Click on "Confirm".

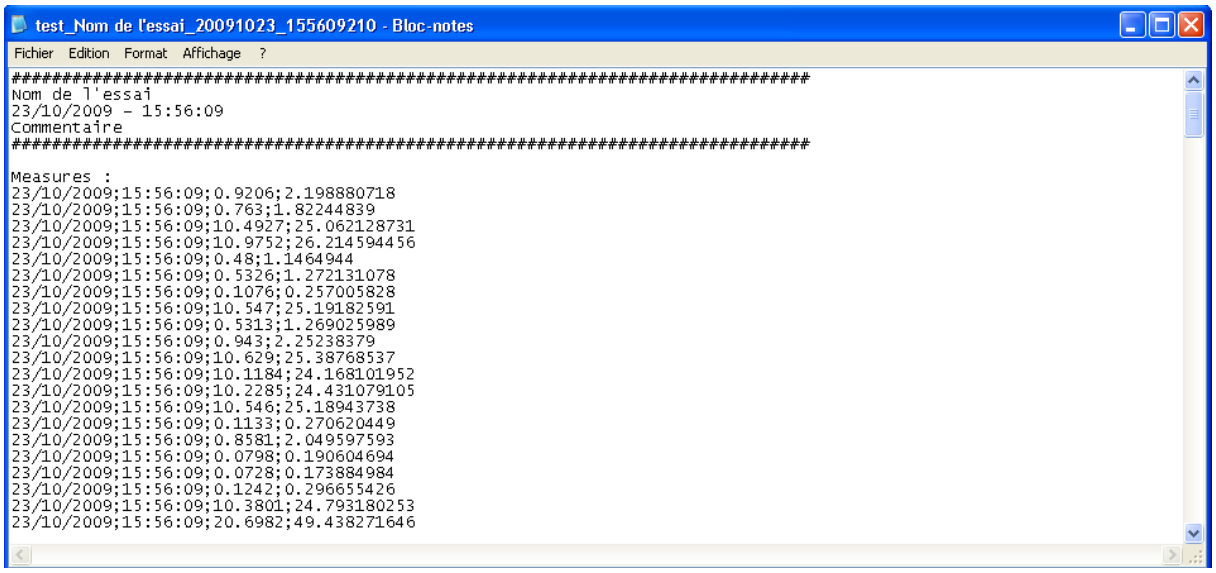
2.3. Making a test

Fill in the text boxes to archive the file.

Every test run is saved in this directory : c:\Test\

The file name consists of the test name.

The comment appears in the header :



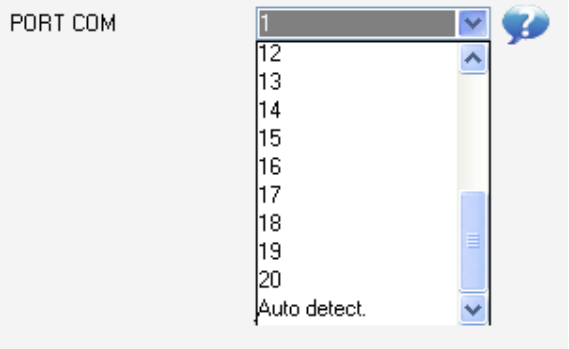
Choose the load cell to be tested (already given) :

2.4. Configuring the comms port

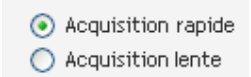
If you know the comms port, choose it in the dropdown list.

If you do not know it, click on  and follow the search steps.

For an auto detection of the comms port, click on “Auto detect.” in the list.



2.5. Selecting the read mode



“Fast acquisition” does not display the measurements in real time (100 measurements per second).

« Slow acquisition » displays the measurements in real time. (+- 50 measurements per second, depending on the speed of your computer).

2.6. Using the « tare » button

Click on the « tare » button to enable the tare function and « tare off » to disable it.

2.7. Making a test

Click on this button to start the test :

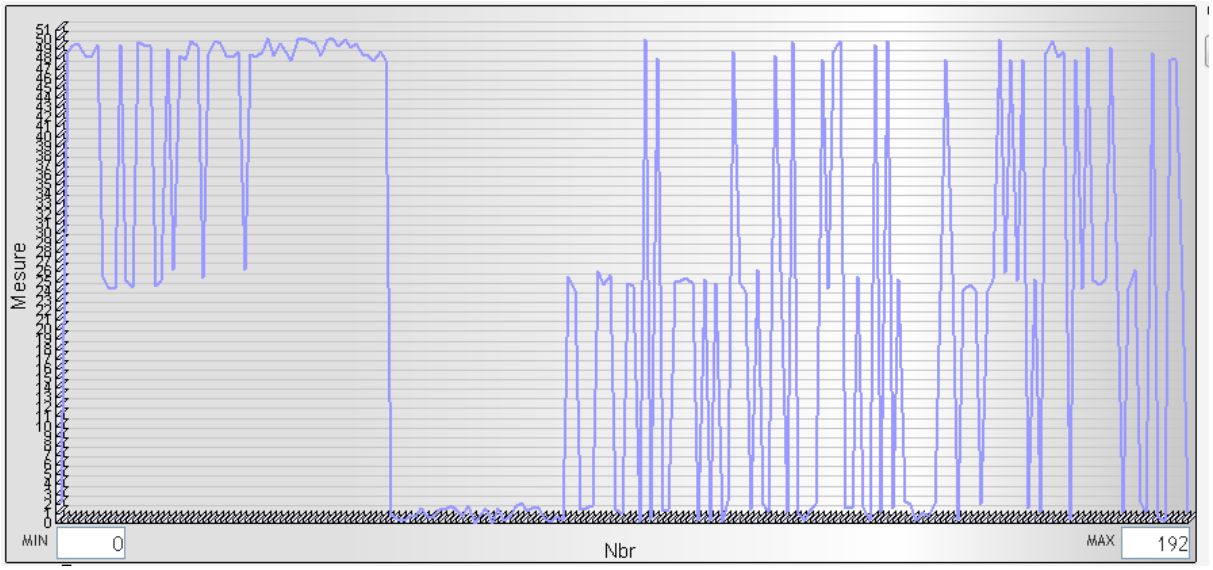
Click on this button to stop the test

The gross measurement corresponds to the electrical signal of the load cell.

The converted measurement gives the result of the gross measurements, after the conversion of the given coefficients datas.

2.8. Chart result

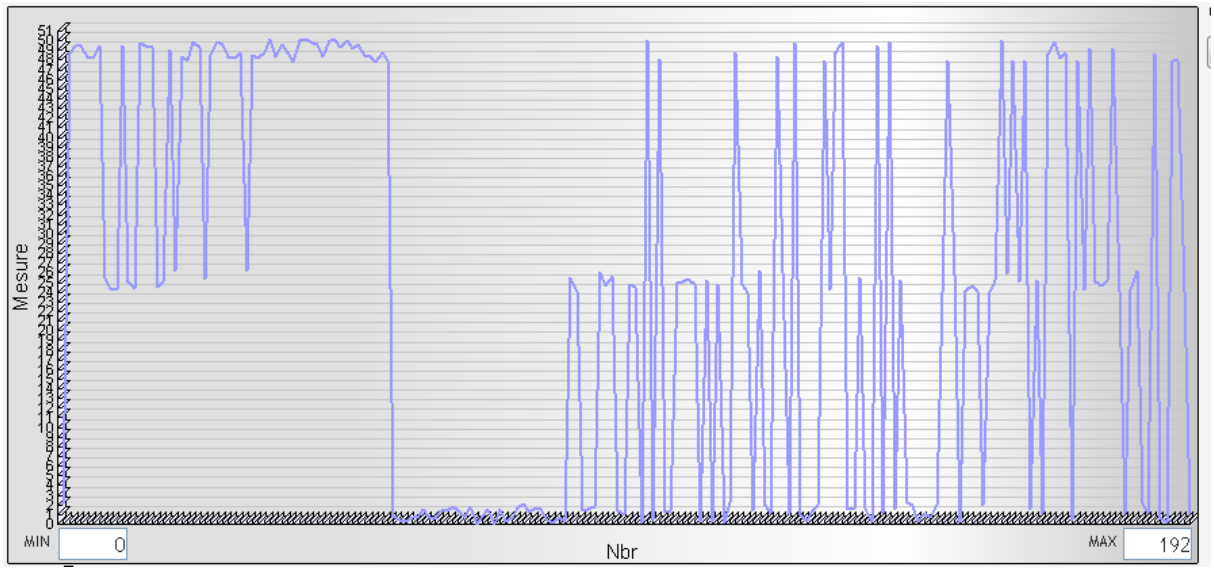
At the end of the test, the chart contains all the data results.



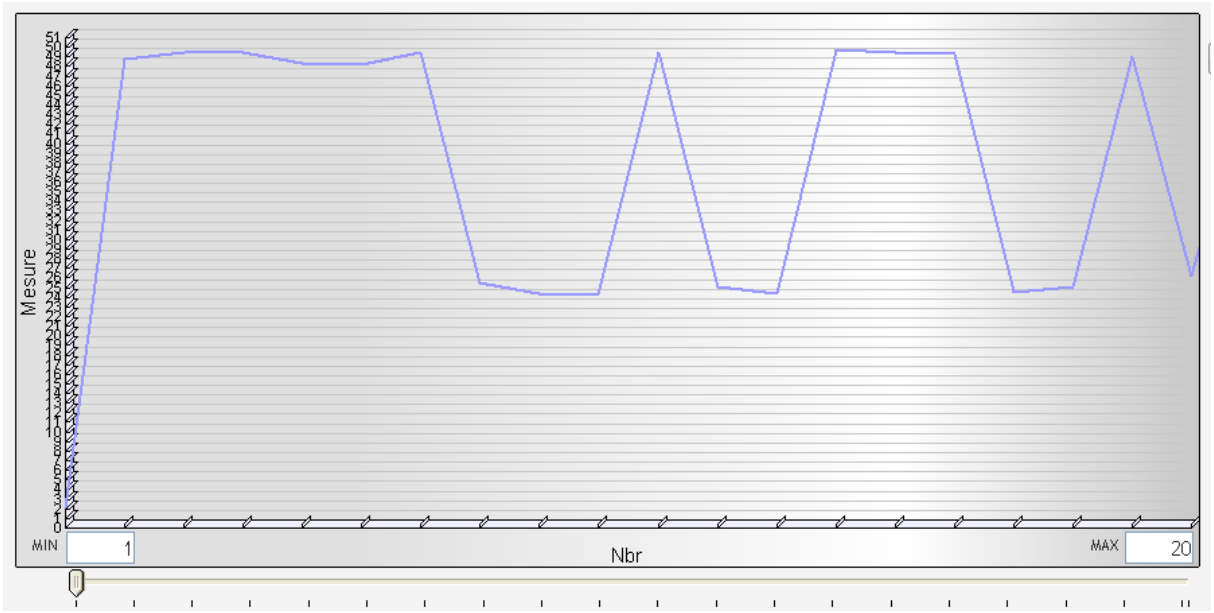
To display parts of the chart located on the right, use your browser.

To display more details of the chart, use the windowing setting (default setting : 10%).

Example : Here is the result for 192 measurements :



Here is the result for a 19 windowing :



Go to the right to have more details of the chart.

2.9. Using the results

This Excel compatible file is saved on this location : c:\Tests\

```
##########################################
Nom de l'essai
23/10/2009 - 16:22:28
Commentaire
##########################################

Measures :
23/10/2009;16:22:28;10.9792;26.224148576
23/10/2009;16:22:28;10.4867;25.047797551
23/10/2009;16:22:28;0.2163;0.516639039
23/10/2009;16:22:28;20.9103;49.944878859
23/10/2009;16:22:28;0.417;0.99601701
23/10/2009;16:22:28;10.2323;24.440155519
23/10/2009;16:22:28;10.2456;24.471922968
23/10/2009;16:22:28;10.9053;26.047636209
23/10/2009;16:22:28;0.4266;1.018946898
23/10/2009;16:22:28;0.2397;0.572530641
23/10/2009;16:22:28;20.2419;48.348385407
23/10/2009;16:22:28;10.6088;25.339437064
23/10/2009;16:22:28;0.4362;1.041876786
23/10/2009;16:22:28;10.5722;25.252016866
23/10/2009;16:22:28;10.2865;24.569613845
23/10/2009;16:22:28;0.2977;0.711065381
23/10/2009;16:22:28;10.9719;26.206712307
23/10/2009;16:22:28;10.9438;26.139594614
23/10/2009;16:22:28;20.2636;48.400216508
23/10/2009;16:22:28;20.5866;49.171711698
23/10/2009;16:22:28;20.9235;49.976407455
23/10/2009;16:22:28;10.6401;25.414198053
23/10/2009;16:22:28;20.307;48.50387871
23/10/2009;16:22:29;20.6548;49.334609444
23/10/2009;16:22:29;20.6943;49.428956379
23/10/2009;16:22:29;20.9745;50.098222485
23/10/2009;16:22:29;20.3223;48.540423219
23/10/2009;16:22:29;20.0287;47.839150811
23/10/2009;16:22:29;10.779;25.74596487
23/10/2009;16:22:29;10.5799;25.270408547
23/10/2009;16:22:29;20.3121;48.516060213
```

The file structure is the following :

DATE ; TIME ; GROSS MEASUREMENT ; CONVERTED MEASUREMENT