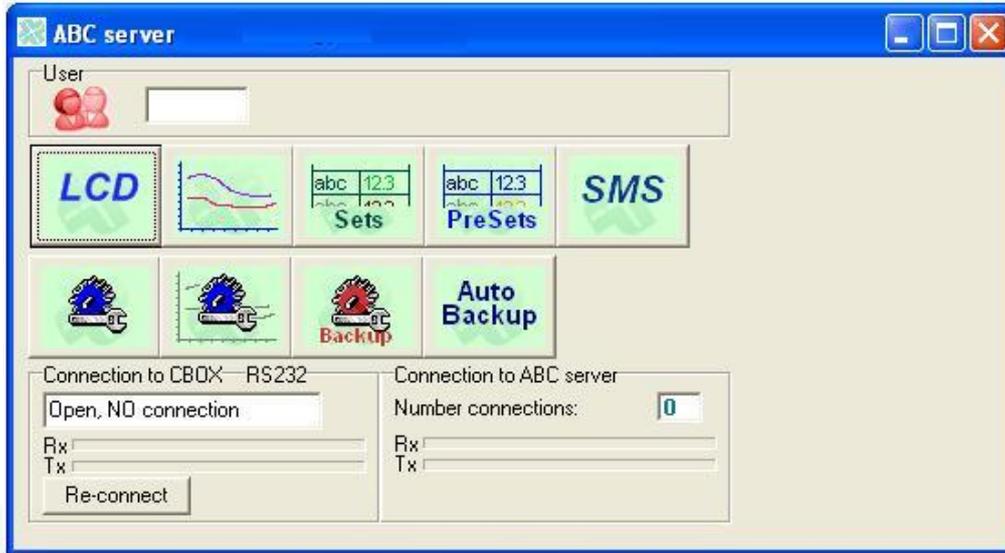


# ABC PC program

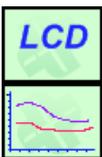
Start screen ABC PC program; ABC Server



### Description of icons:



Code for user level



Open the ABC control screen on the PC. The screens and operation are equal to the LCD

Open the log data:

- Charts
- LCD screen



Open the screen to configure data



Open the screen to record and call up 'preset' basic settings



Open configuration page of SMS module



Open page to configure connection between C-Box and PC (only user 3)



Open page to configure and check log data and settings.



Save current settings. The technician can restore current settings after maintenance or test.



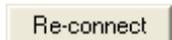
Configure time at which settings will be automatically saved daily. In case of malfunction, failure or replacement of the C-Box, all settings of before the last 'Back-up' can be restored directly.



Type of connection PC with C-Box

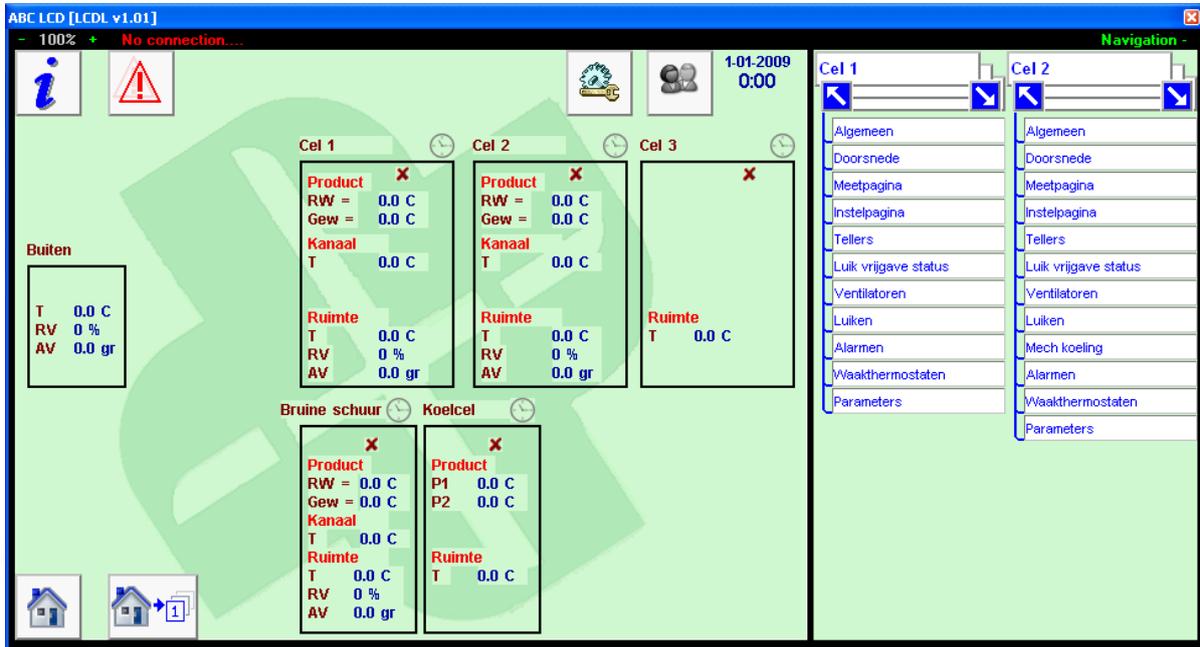
Status of connection

Rx moving bars      Tx



Restore connection

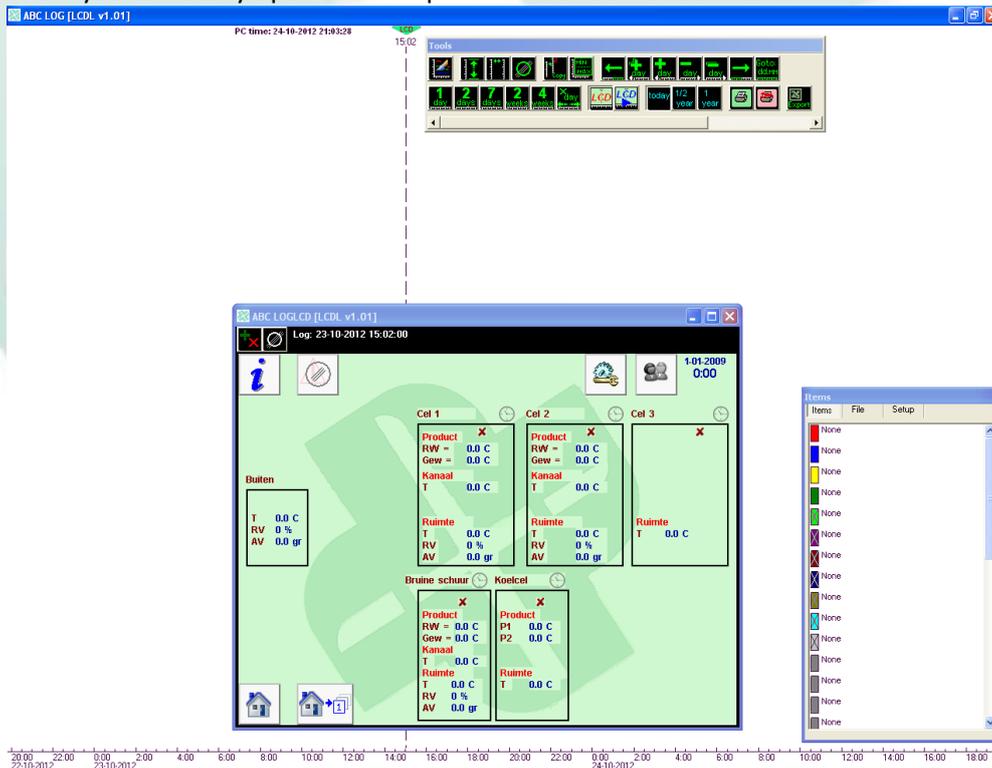
Control screen on PC



Control screen on PC with same layout as ABC touch screen.

**Extras:**

- Screen can be reduced to 33% and enlarged to 150%.
- Status specification of connection with C-Box
- Extra navigation screens;
  - Click on 'Navigation +' to open 2 navigation screens.
  - You can open the desired page directly from every navigation screen.
  - Now you can easily open and compare 2 screens of random cells.



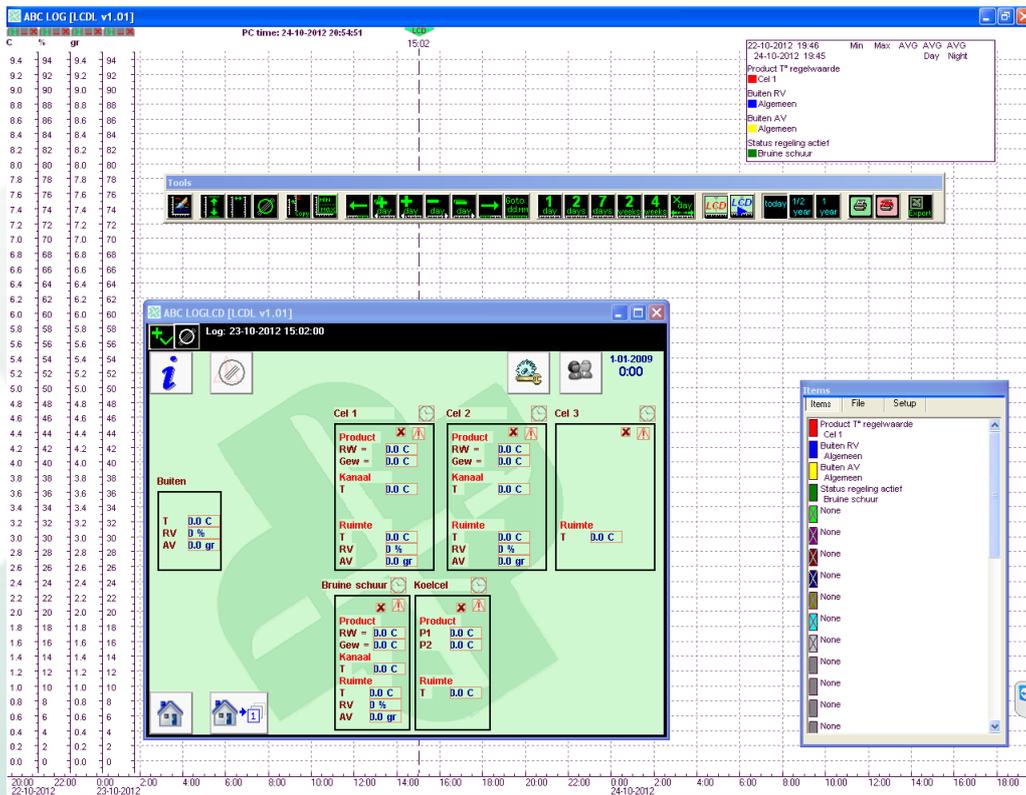
# ABC PC program



Click in the frame 'Tools' (above) on the  button to open the Log screen at the chosen time. The dotted line and  display the chosen time. All historic measurement and control data of that time are now visible on the screen. The time of the log screen can be changed by activating the dotted line and moving it, using the right mouse button.



Click on the  button in the left upper corner, to activate the measurement and control items of the screens and select them easily for the chart.



The log screen is activated: . All measurement and control items, as well as 'status' and 'alarm' etc. have a red frame. Click on the frame to display this value in the chart.

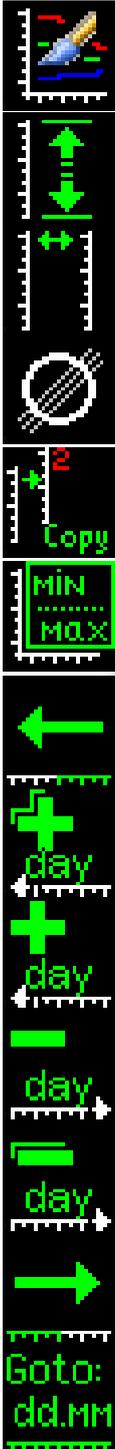
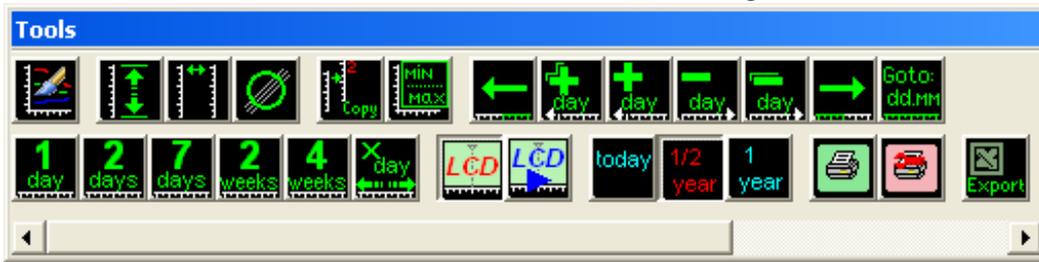
In the overview 'Items' the matching color of the value is displayed.

Every quantity (°C, %, gr, ppm, status etc) has its own vertical axis.

- The axis will be displayed when a measurement value with the relevant quantity has been chosen.
- Use 'shift+left mouse button' to move the axis over the screen.
- Each axis can be individually scaled using the scroll wheel of the mouse.
- Use the  button to adjust all scales optimally to the various measurement values.

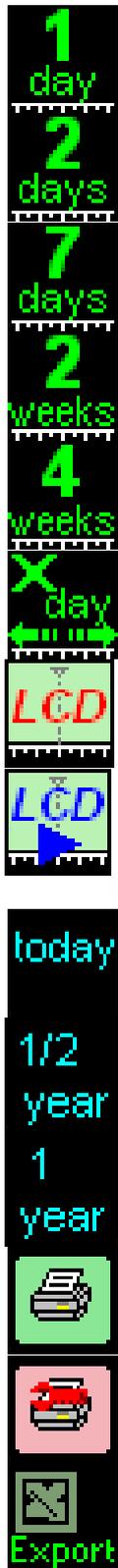
# ABC PC program

Control buttons for chart and LCD with log data



Redraw All	Chart will be supplemented with the latest log data
Fitt All	All scales are adjusted for optimal display
LineOutAxis	All axis are replaced to start position
Clear all items	All chosen items will be cleared; empty screen.
Extra Axis sml	For mentioned quantity an extra axis is placed
MinMaxAVG	The minimum, maximum and average values will be displayed of the time zone as displayed on the screen.
Shift half time axes	The log display shifts half a page forward in time.
Plus 2 day sml	The log display shifts 2 days forward
Plus 1 day sml	The log display shifts 1 day forward
Min 1 day sml	The log display shifts 1 day backward
Min 2 day sml	The log display shifts 2 days backward
Min half tax sml	The log display shifts half a page backward in time.
Goto ddmm day sml	Go directly to log data of this desired date.

## ABC PC program



1 day sml	Log display on the screen of 1 day 0:00 to 23:59 hours
2 days sml	Log display on the screen of 2 days
7 days sml	Log display on the screen of 7 days
2 weeks sml	Log display on the screen of 2 weeks
4 weeks sml	Log display on the screen of 4 weeks
Fit X days	Display is adjusted to full days (0:00-23:59)
LCD sml	Display of LCD on selected moment. All measurement and control values of that moment are visible.
LCD sml play	From the selected moment the LCD screen will shift automatically forward in time; measurement and control values will form a sequence. Changes in valve position, fans, colors, etc. are clearly visible on the LCD.
Log start from today	Display of the log starting today.
Log start from half year ago	Display log of half a year
Log start from one year ago	Display log of a year
Print sml	Print log data of displayed screen
Print setup sml	Choose printer
Export to Excel	Selected data is opened in Excel and can be saved as an Excel file. (see next: 'Procedure to open log data in Excel')

## Procedure to open log data in Excel



Click the **Export** button to open the following screen.

**Export to Excel in tab separated txt file.**

Items

- AH kanal [Sektion 1]
- AH kanal [Sektion 10]
- Batterispendig SMS modul [Generalt]
- Kontrol power 24V [Generalt]
- udetemperatur [Generalt]

From date: **september 2011**

ma	di	wo	do	vr	za	zo
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

To date: **februari 2012**

ma	di	wo	do	vr	za	zo
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	1	2	3	4
5	6	7	8	9	10	11

Output interval: 1 minute

Interval mathematic: AVG

Output file (\*.txt):

Cancel OK

## Procedure to open log data in Excel:

- Choose the desired items from the selected items to export to Excel.
- Choose the timeframe: 'From date' to 'To date'
- Choose the interval related to the size of the file (measurement per minute)

**Export to Excel in tab separated txt file.**

Items

- AH kanal [Sektion 1]
- AH kanal [Sektion 10]
- Batterispendig SMS modul [Generalt]
- Kontrol power 24V [Generalt]
- udetemperatur [Generalt]

From date: **september 2011**

ma	di	wo	do	vr	za	zo
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

To date: **februari 2012**

ma	di	wo	do	vr	za	zo
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	1	2	3	4
5	6	7	8	9	10	11

Output interval: 1 minute

Interval mathematic: 5 minute's

Output file (\*.txt):

Cancel OK

- Choose the calculated value within the interval: Average, minimum, maximum

**Export to Excel in tab separated txt file.**

Items

- AH kanal [Sektion 1]
- AH kanal [Sektion 10]
- Batterispendig SMS modul [Generalt]
- Kontrol power 24V [Generalt]
- udetemperatur [Generalt]

From date: **september 2011**

ma	di	wo	do	vr	za	zo
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

To date: **februari 2012**

ma	di	wo	do	vr	za	zo
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	1	2	3	4
5	6	7	8	9	10	11

Output interval: 1 minute

Interval mathematic: AVG

Output file (\*.txt):

Cancel OK

**OK:** Chosen measurement points are made visible with the configured interval in an Excel file