

**WINATEQ300 SOFTWARE**  
Full version 1.01



**[www.ateq.com](http://www.ateq.com)**

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# REVISIONS OF THE *WINATEQ300* USER MANUAL

## Full version

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*Due to continuing improvements, the information contained in this user manual, the features and design of this device are subject to be changed without prior notice.*

<b><u>Edition/Revision</u></b>	<b><u>Reference</u></b>	<b><u>Date</u></b> Week/Year	<b><u>Chapters up dating</u></b>
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## Chapter 1

# INTRODUCTION AND INSTALLATION

### 1. GENERAL PRESENTATION

**Winateq300** is a software PC which allows managing **ATEQ** instruments through a Computer of PC type.

The functions are:

- Managing the network.
- Parameters editing.
- Displaying and archiving measurement results.
- Network service.
- Displaying the sensors curves.
- Editing the statistics.

**Winateq300** can manage until 128 test parameters programs. This maximum number depends of the connected device.

**Important note:** **Winateq300** is an interface between the PC and the **ATEQ** device; it can only work if a device is connected. The offline operation is impossible, managing files, programs or other testing can not be performed until a device is not connected.

The installed program version is visible under the menu: "**?/About Winateq**".



The following window appears (following version):



## 2. PRESENTATION OF THE SYSTEM

### 2.1. COMPUTER CONFIGURATION

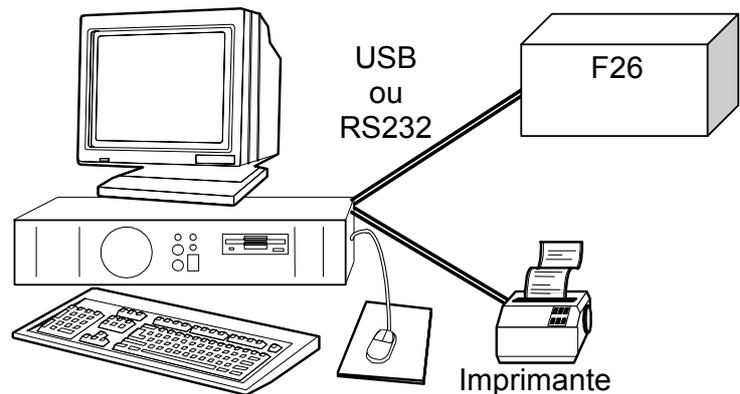
The control hub consists of a group of series 5 instruments managed by a PC, whose minimum required configuration is:

- Operator System : Windows© XP.
- CPU : Pentium (1 GHz).
- RAM : 512 Mo.
- Available hard disk space : 500 Mo (*no storage*), 10 Go (with storage).
- Video card : VGA.
- Screen : 14".
- Minimum screen resolution : 1024 x 768.
- Communication ports : USB or Ethernet.

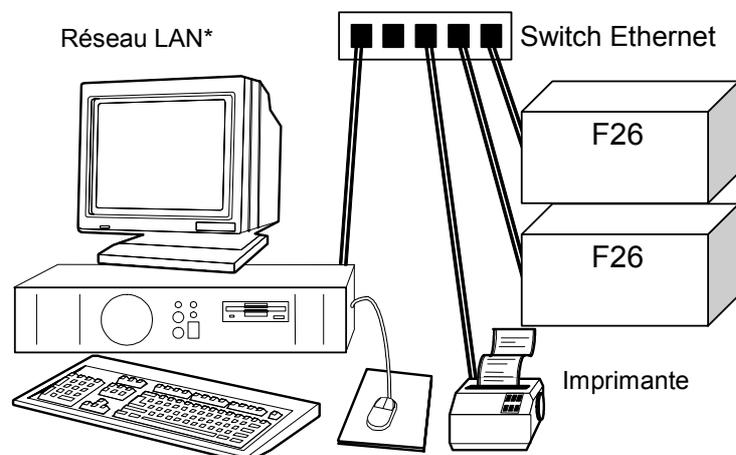
### 2.2. SETUP DIAGRAM

#### USB connection:

The device is plugged on the USB port.



#### Ethernet connection:



One or several devices are plugged on a "**Switch**" with their respective Ethernet ports. The devices can run without a PC connected to the network.

\* LAN = Local area Network

**Note:** this software runs only with ATEQ devices.

### 3. PROGRAM INSTALLATION

The **Winateq300** software is delivered in a **CDROM** format.

**Warning:**

***The operator may only use the WINATEQ program on one computer.***

***However, a backup copy is tolerated. All other copies, and in particular their transmission to a third party are strictly banned.***

***The lending, renting or modifying of the program is strictly forbidden.***

#### 3.1. PROTECTION

The **WINATEQ** software is protected with a locking key that is installed the **USB** port of the computer.

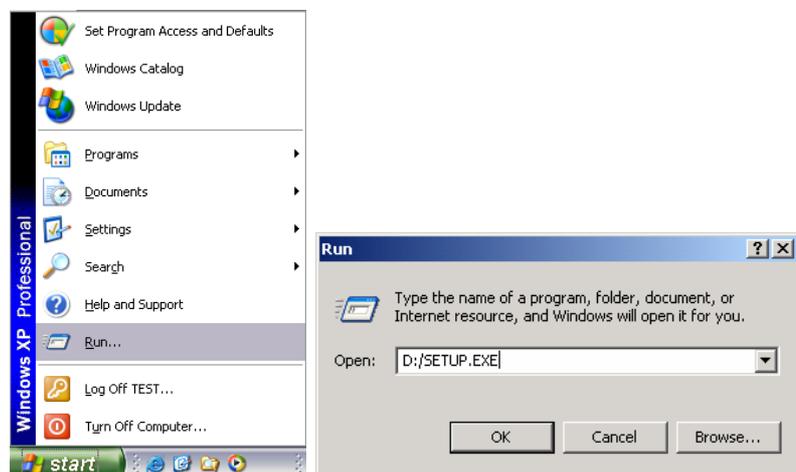
The drivers' installation is done manually. When the locking key is connected to the **USB** port **Windows**® detects it and ask for the drivers installation. All it has to do is following the process displayed on the screen. For **Windows**® **XP**, **USB** drivers are required.

**Note:** the drivers required for the **USB** locking key are available on the **Winateq300 CDROM** under the "**ACTIKEY/USB**" directory. This directory is indicated when **Windows**® asks the drivers path.

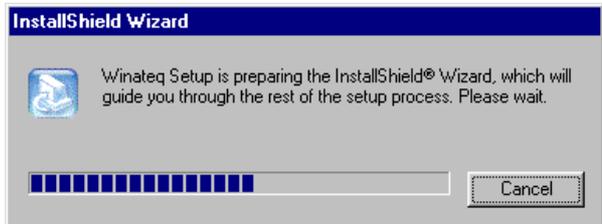
#### 3.2. INSTALLATION PROCEDURE

**Winateq300** installation:

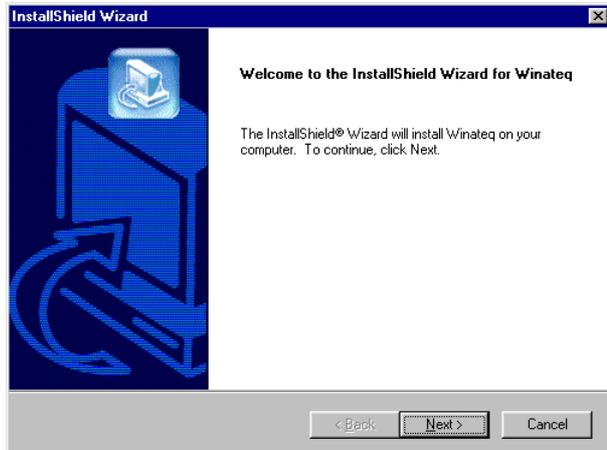
- Close all active programs.
- Insert the **CDROM** into the computer's CD drive.
- The reading and installation should start automatically.
- If the application does not launch of its own accord, activate the **START** button, then **RUN**.
- In the **OPEN** zone, type **D:\SETUP.EXE** (if necessary, replace **D** with the appropriate drive letter). Then validate.
- It is also possible to click on "**BROWSE**" to load the required element.



- When the program is launched, follow the instructions displayed.

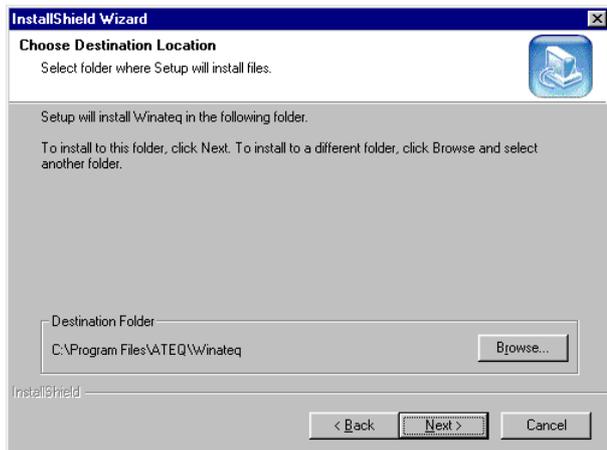


- To continue and confirm the installation, click on **Next >**.

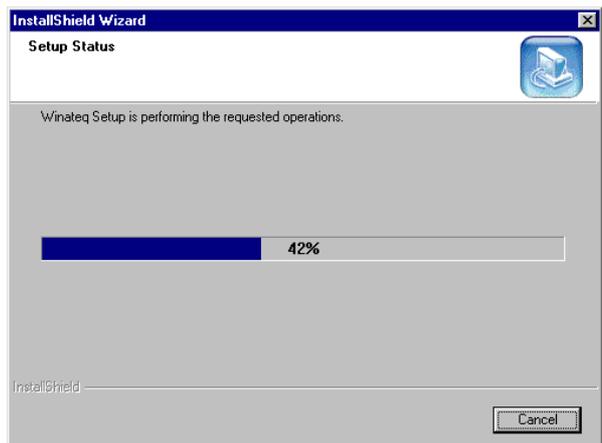


- Confirm the destination folder of the **Winateq300** software installation.

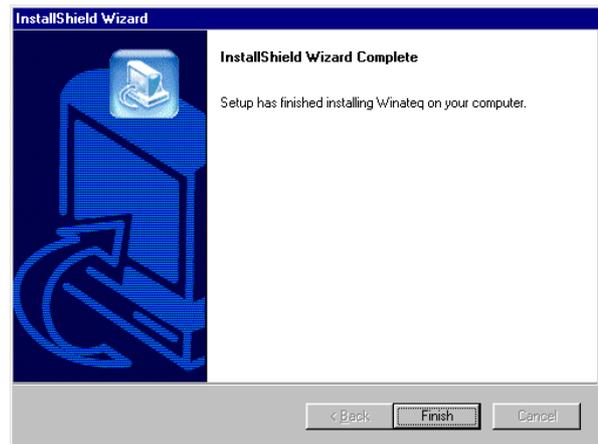
*Note: The default destination requires no changes.*



- The following window displays the level of completion of the installation which can be stopped at any time.



- When the installation is completed, press on the  button to exit the installation mode.



It is not necessary to restart the computer; **Winateq300** is installed and ready to run.

### 3.3. USB DRIVERS INSTALLATION

#### 3.3.1. Windows© XP Installation

- 1) Start the installation software: **USB\_VIRTUAL\_232\_XP.EXE**.
- 2) Click on "**Next >**".
- 3) The "**Serial emulation port**" drivers are installing.
- 4) Click on "**Finish**".

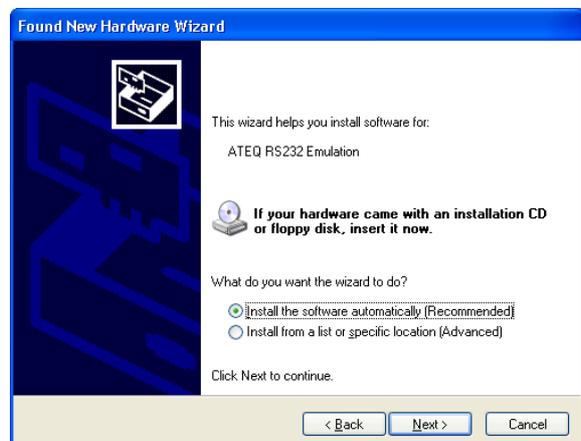
5) Connect the USB wire on the USB port of your PC and on the **ATEQ** device.

6) Switch on the **ATEQ** device.

7) When the **ATEQ** device is detected, its installation begins. The opposite window appears select "**No, not this time**" and click on "**Next >**".



8) Select the "**Install the software automatically (recommended)**" option and click on "**Next >**".



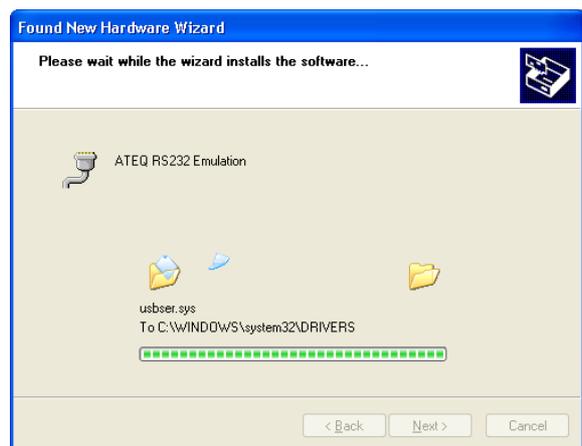
9) The installation begins...



10) When this window appears, click on "Continue Anyway".



11) The drivers are installed.



12) The ATEQ device can communicate with the computer through the USB connector. Click on "Finish".



## Chapter 2

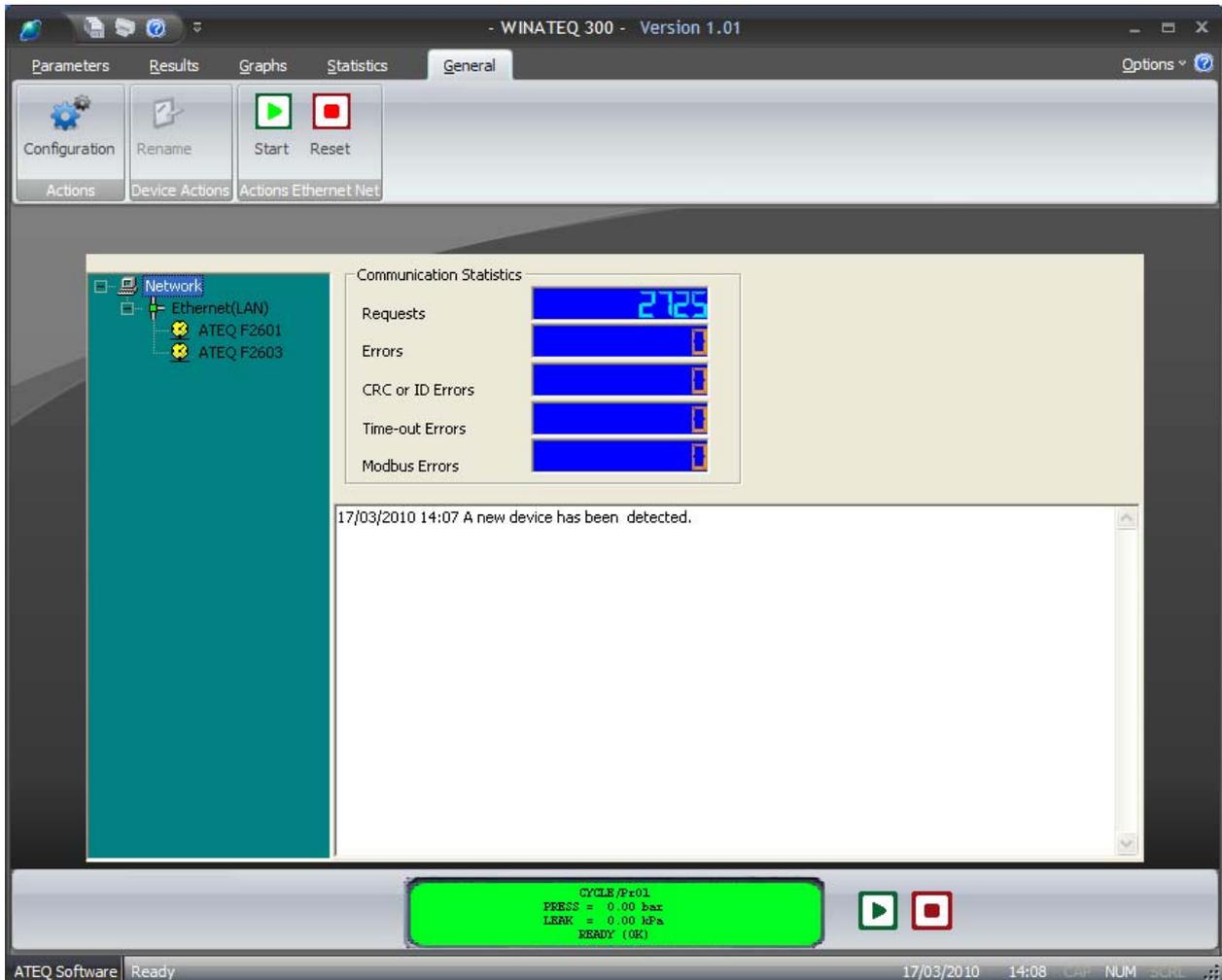
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**NETWORKS AND GENERAL MANAGEMENT**


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**1. VISUALISATION OF THE CONTENT OF THE CONFIGURATION**

The **Winateq300** is a tool that allows controlling, managing the network and configuring the test programs of the **ATEQ** device.



This chapter allows the discovery of the design in both visual and functional form of **WINATEQ** it supplies to the basic procedures required to start the software.

## 2. NETWORKS MANAGEMENT

### 2.1. CONNECTIONS CONFIGURATION

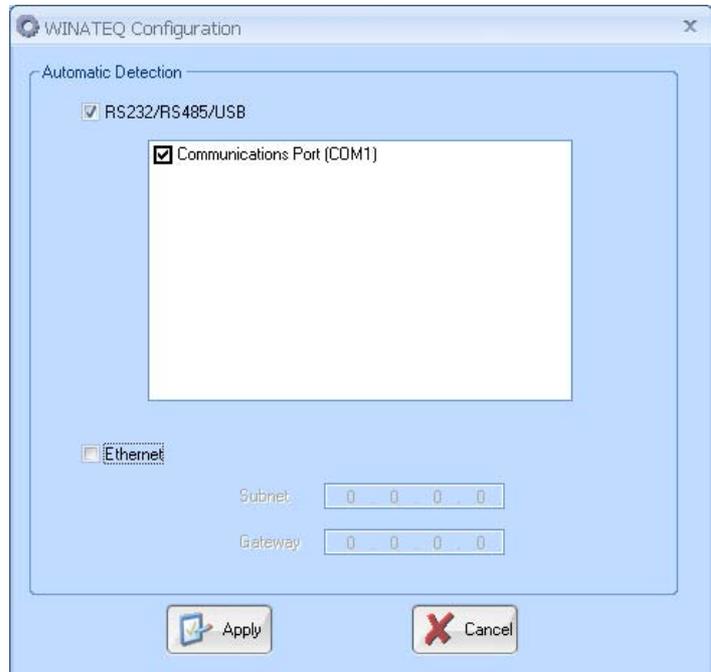
This task is done under the "General" tab.



The "Configuration" icon gives access to the *Winateq300* software configuration, this window appears:



This is to validate the automatic detection on the three kinds of supported links: RS232, RS485 and USB, when the software starts, its recommended to validate this box.



Communications Port (COM1) Allows the selection of one or several ports which detection will automatic (several ports can appear: COM1, COM3 etc.).

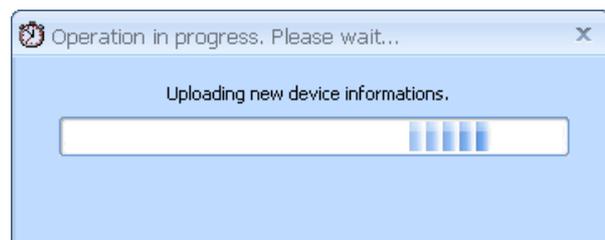
### 2.2. USB CONNECTION

Connect the USB cable on the device and on the computer.

Turn on the **ATEQ** device, the detection is automatic; a message on the right down hand of the screen appears.



The device data are downloaded.



If no device is detected, check the USB connection; check if the **ATEQ** device is turn on, restart eventually the *Winateq300* software, and then restart the **ATEQ** device, if the problem persists, check the drivers' installation.

### 2.3. ETHERNET CONNECTION (LAN)

**Important note:** to configure the device for the Ethernet network (TCP/IP) use the USB link.

When the device is configured and connected to the Ethernet network, the USB connection can be removed.

Validate the **"Ethernet"** box in the configuration menu.

Contact your corporate network administrator that will tell you the network Subnet Mask and the IP Address of the Gateway.



The IP addresses are entered in the **"Parameters"** main tab, then in the **"System settings"** tab of the selected device.

#### Corporate network configuration:

- **Automatic mode** (network server use):

Validate the **"Automatic IP"** box (recommended) in **" / Parameters / System settings /"**.

The device connected to the corporate network, will receive an IP address assigned by the **DHCP** server.

PARAMETERS			SYSTEM SETTINGS			CONFIGURATION		
		Title			Value			
		Dump Thres. :			<input type="checkbox"/>			
		Input 5 :			None			
		Input 6 :			None			
		Handshake :			<input type="checkbox"/>			
		Automatic IP:			<input checked="" type="checkbox"/>			
		IP Address:			192.168.1.165			
		Subnet Mask:			255.255.255.0			
		Gateway:			192.168.1.252			
		Mac Address:			0004A321686F			

#### Independent network configuration:

If the network is alone and insulated, with a computer and several **ATEQ** devices connected on a **"Switch"** and without **DHCP** server, you must assign manually a unique IP address for each device and the computer:

Do not validate the **"Automatic IP"** box.

Enter **255.255.255.000** for the **"Subnet Mask"** and **192.168.1.255** for the **"Gateway"**.

Examples of devices and the computer IP addresses: **192.168.1.XXX** (XXX from **001** to **254**).

In the two types of network, when configured, connect the devices on the network by using the Ethernet connectors, the devices are automatically detected. The windows appear like the USB connection.



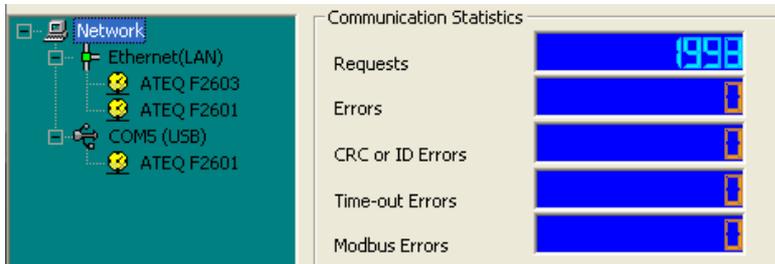
**Note:** for information, the **ATEQ** device Mac address always begins by **0004A3xxxxxx**.

If no device is detected, check the Ethernet connection (switch turned on etc.); check if the **ATEQ** device is turn on, restart eventually the **Winateq300** software, and then restart the **ATEQ** device.

## 2.4. COMMUNICATION CHECK

The communication between the device and the computer can be checked.

Click on the **"General"** tab and in the displayed window, select the device on communication port, here **COM3** (USB) or **Ethernet** (LAN).



In the **"Requests"** field the number must grow quickly and regularly, the fields: **"Errors"**, **"CRC or ID Errors"**, **"Time-out Errors"** and **"Modbus Errors"** must not grow or only some rare times.

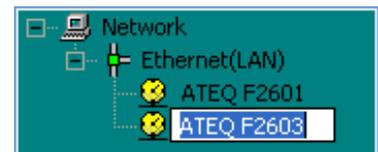
If there's not the above conditions, there's communication errors, check the connections and cables (USB) or Ethernet.

## 2.5. RENAME

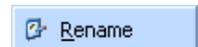
The **"Rename"** function allows giving a personalized name to the device. It is useful in case of several devices are connected to the network. This function is not available for all the device types.



Select the device to rename; click on **"Rename"** icon, the device field will be opened for typing a new name.



When **"Right click"** in the network window, the **"Rename"** menu appears which allows renaming too.



## 2.6. GENERAL START CYCLE

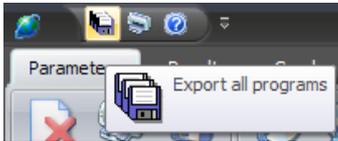


This remote starts **all** the measurement devices connected. This remote runs only on the Ethernet network and on the connected devices, displayed in **Winateq300** software.

### 3. GENERAL MANAGEMENT MENUS

#### 3.1. TOP MENU

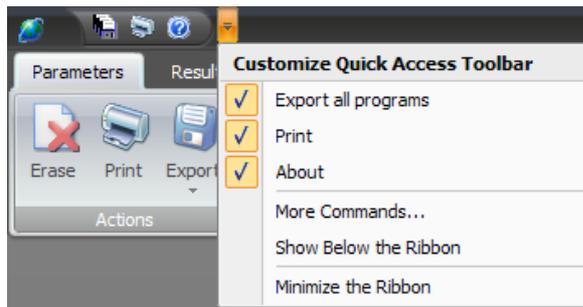
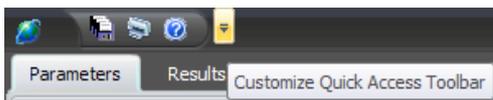
The "Top menu" located on the left up hand of the screen allows having quick access for some commands:



This icon allows saving all the test programs.



This icon allows printing the selected test program.



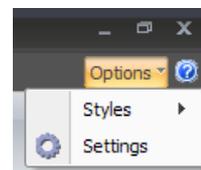
This menu allows to the user to customize the **Winatq300** software following its preferences.

#### 3.2. DISPLAY OPTIONS

On the right up hand of the screen, the user can choose display options.

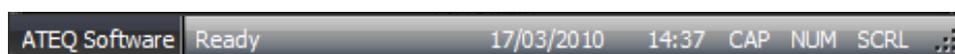
**Options / Styles:** to change the background software display colors, four models are available.

**Options / Settings:** to validate the screen definition when starting the software.



#### 3.3. STATE BAR

The state bar located on the lower hand of the screen, gives more information on the software state.



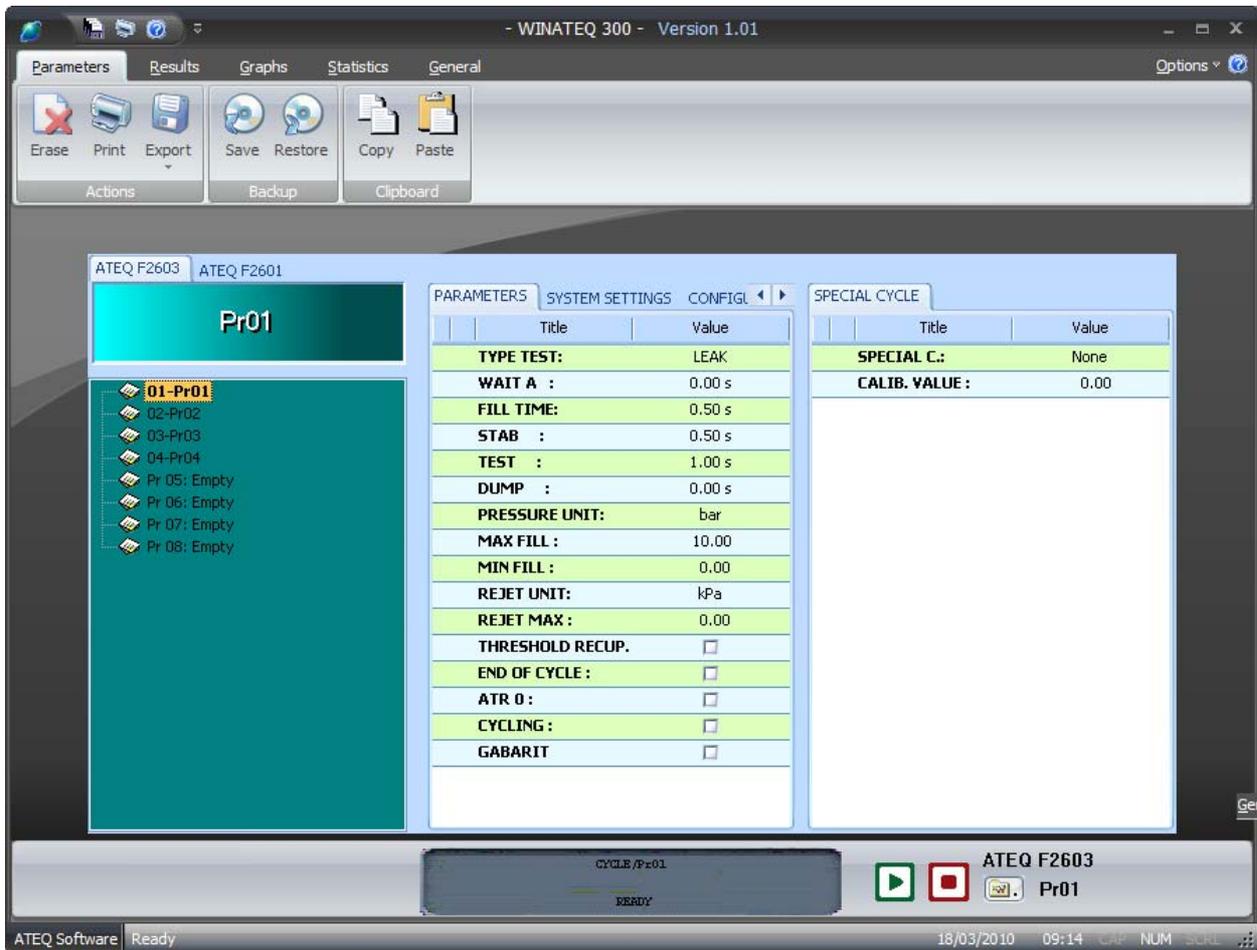


## Chapter 3

## TESTS PARAMETERS MANAGEMENT

## 1. PRESENTATION

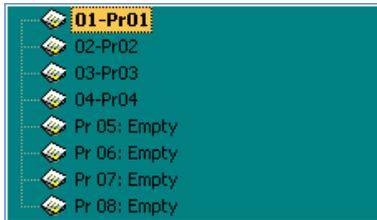
This tab allows managing until 128 tests parameters included in the **ATEQ** device, the program number according to the connected device.



### 1.1. WINDOW DÉTAILS



Name of the device connected (left up hand) and the selected program number or its name if created.



Program list window. The displayed program number is according to the device configuration.

Selected device state window:

PARAMETERS		SYSTEM SETTINGS	CONFIG
Title	Value		
<b>TYPE TEST:</b>	LEAK		
<b>WAIT A :</b>	0.00 s		
<b>FILL TIME:</b>	0.50 s		
<b>STAB :</b>	0.50 s		
<b>TEST :</b>	1.00 s		
<b>DUMP :</b>	0.00 s		
<b>PRESSURE UNIT:</b>	bar		
<b>MAX FILL :</b>	10.00		

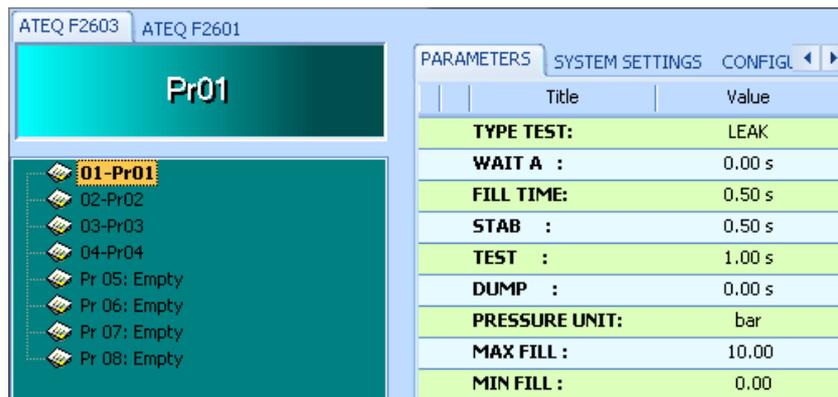
"PARAMETERS" tab displays the selected program parameters.

PARAMETERS		SYSTEM SETTINGS	CONFIGURATION
Title	Value		
<b>Dump Thres. :</b>	<input type="checkbox"/>		
<b>Input 5 :</b>	None		
<b>Input 6 :</b>	None		
<b>Handshake :</b>	<input type="checkbox"/>		
<b>Automatic IP:</b>	<input checked="" type="checkbox"/>		
<b>IP Address:</b>	192.168.1.165		
<b>Subnet Mask:</b>	255.255.255.0		
<b>Gateway:</b>	192.168.1.252		
<b>Mac Address:</b>	0004A321686F		

"SYSTEM SETTINGS" tab. To configure the ATEQ device especially the Ethernet link parameters (see chapter 2).

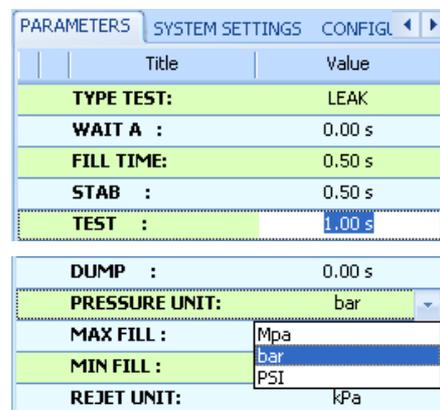
The "CONFIGURATION" tab is not available for the user.

## 1.2. PARAMETERS MODIFICATION



Select the program to modify in the left hand window. In the right hand window manage the tests parameters and the System settings. The configuration menu is not available.

Select the **"PARAMETERS"** tab. Click on the parameter to open the field and then modify it, type enter to validate.

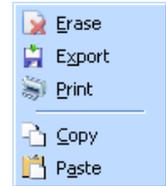


In some cases, the choice is among several items, click on the  key to make appear the options.

## 2. AVAILABLE COMMANDS DETAIL



By a "right click" in the programs windows, appears a menu with some directs commands on the selected program (Erase, Export, print, Copy, Paste).



### Actions menu:

- ✓ **Erase:** delete the selected program.
- ✓ **Print:** print the selected program.
- ✓ **Export:** export in a text file format (.txt) the selected or all programs.

### Save menu:

- ✓ **Save:** save on the computer hard drive all the parameters of the connected device.
- ✓ **Restore:** to upload to the device the parameters saved on the computer hard drive.

### Clipboard menu:

- ✓ To **Copy** the selected program into the clipboard to **Paste** the parameters into another program.

# Chapter 4

## RESULTS MANAGEMENT

### 1. PRESENTATION

**Winateq300** allows visualizing, managing and making some statistics with the measurements results.

Displaying and archiving the measurements results.

Displaying, saving and archiving the measurements curves of each part, in various files format.

Displaying and archiving the statistics on the measurement programs by programs since the last turn on of the **ATEQ** device.

#### 1.1. "RESULTS" TAB

This tab displays the 50 last measurements results.

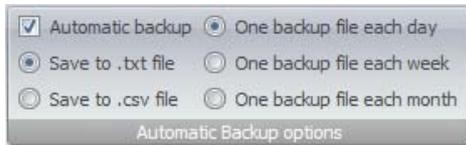
N°	RUN PROG	RESULT	LEAK RESULT	LEAK UNIT	PRESS RESULT	PRESS UNIT	ALARM	TIME
14	<01>	(RM)	26	Pa	0.331	bar		14:36:47
15	<01>	(OK)	25	Pa	0.331	bar		14:36:48
16	<01>	(OK)	16	Pa	0.331	bar		14:36:49
17	<01>	(OK)	12	Pa	0.331	bar		14:36:49
18	<01>	(OK)	9	Pa	0.331	bar		14:36:50
19	<01>	(OK)	9	Pa	0.331	bar		14:36:51
20	<01>	(OK)	8	Pa	0.331	bar		14:36:52
21	<01>	(OK)	8	Pa	0.331	bar		14:36:52
22	<01>	(OK)	9	Pa	0.331	bar		14:36:53
23	<01>	(OK)	9	Pa	0.331	bar		14:36:54
24	<01>	(OK)	9	Pa	0.331	bar		14:36:55
25	<01>	(OK)	7	Pa	0.326	bar		14:36:55
26	<01>	(OK)	3	Pa	0.198	bar		14:36:56
27	<01>	(OK)	2	Pa	0.130	bar		14:36:57
28	<01>	(ALARM)			0.057	bar	PRESSURE TOO LOW	14:36:57
29	<01>	(ALARM)			0.033	bar	PRESSURE TOO LOW	14:36:58
30	<01>	(ALARM)			0.020	bar	PRESSURE TOO LOW	14:36:58
31	<01>	(OK)	3	Pa	0.121	bar		14:36:59
32	<01>	(OK)	16	Pa	0.338	bar		14:36:59
33	<01>	(OK)	13	Pa	0.403	bar		14:37:00
34	<01>	(OK)	14	Pa	0.448	bar		14:37:01
35	<01>	(OK)	13	Pa	0.449	bar		14:37:02
36	<01>	(OK)	14	Pa	0.464	bar		14:37:02
37	<01>	(OK)	10	Pa	0.434	bar		14:37:03
38	<01>	(OK)	11	Pa	0.410	bar		14:37:04
39	<01>	(OK)	9	Pa	0.376	bar		14:37:05
40	<01>	(OK)	9	Pa	0.357	bar		14:37:05
41	<01>	(OK)	9	Pa	0.357	bar		14:37:06
42	<02>	(OK)	37	Pa	0.375	bar		14:37:54
43	<02>	(OK)	1	Pa	0.370	bar		14:38:05
44	<02>	(OK)	5	Pa	0.369	bar		14:38:16
45	<02>	(OK)	24	Pa	0.368	bar		14:38:24

CYCLE/Pr02  
 PRESS = 0.368 bar  
 LEAK = 24 Pa  
 READY (OK)

ATEQ Software Ready 10/03/2010 14:43 NUM

## 1.1.1. Results management

This is managing the tests results.



- ✓ **Automatic backup:** to save automatically the results in a file format chosen by the user (see below).
- ✓ **Save to .txt file:** to save the results in a text file format (.txt).
- ✓ **Save to .csv file:** to save the results in a spreadsheet compatible file format such as Excel ©.

- ✓ **One backup file each day:** to save the current day results in one file, at each date changing a new file is created. The file name will be on the following format:

**ATEQ F2602\_16Mar2010.txt or ATEQ F2602\_16Mar2010.csv.**

N°	DEVICE NAME	RUN PROG	RESULT	LEAK RESULT	LEAK UNIT	PRESS RESULT	PRESS UNIT	ALARM	DATE	TIME
1	ATEQ F2602	<01>	(OK)	9	Pa	0.355	bar		16/3/2010	9:32:48
2	ATEQ F2602	<01>	(OK)	8	Pa	0.353	bar		16/3/2010	9:32:49
3	ATEQ F2602	<01>	(OK)	8	Pa	0.351	bar		16/3/2010	9:32:50
4	ATEQ F2602	<01>	(OK)	7	Pa	0.354	bar		16/3/2010	9:32:51
5	ATEQ F2602	<01>	(OK)	8	Pa	0.354	bar		16/3/2010	9:32:51
6	ATEQ F2602	<01>	(OK)	7	Pa	0.354	bar		16/3/2010	9:32:52
7	ATEQ F2602	<01>	(OK)	7	Pa	0.354	bar		16/3/2010	9:32:53

- ✓ **One backup file each week:** to save the current week results in one file, at each week changing (Monday morning 0h00) a new file is created.

**ATEQ F2602\_Week3Mar2010.txt or ATEQ F2602\_Week3Mar2010.csv**

- ✓ **One backup file each month:** to save the current month results in one file at each month changing, at each month a new file is created.

**ATEQ F2602\_Mar2010.txt or ATEQ F2602\_Mar2010.csv**

**Note:** this archiving is according to the user's preferences for the later statistics treatment and the tests performed each day. The texts (.txt) files fields are separated by tabs, these for spreadsheets files (.csv) with semicolons.

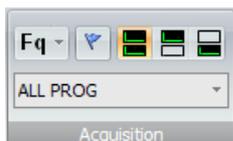
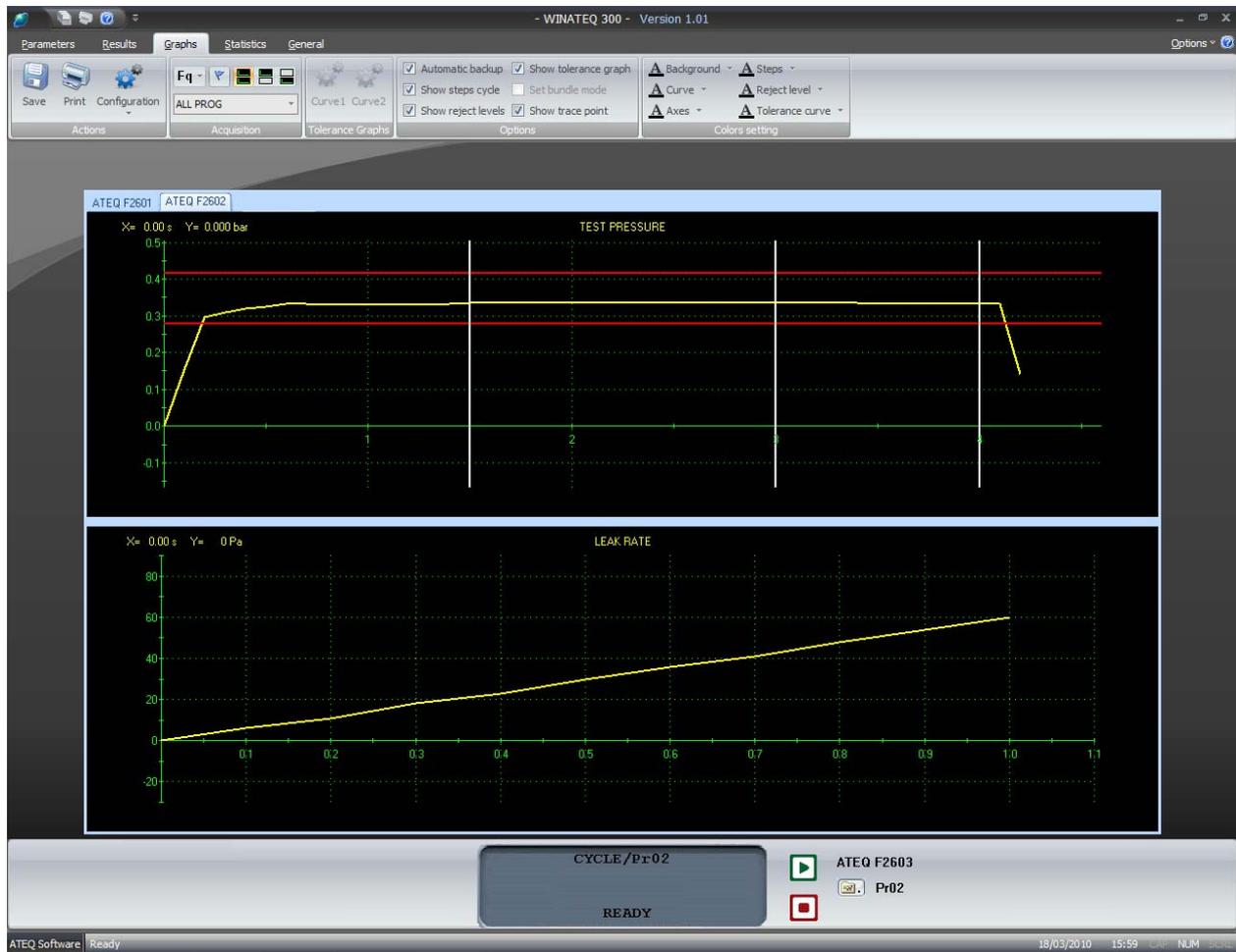


Results number performed display.

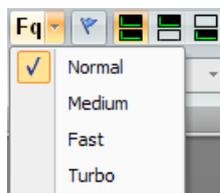
## 1.2. "CURVES" TAB

### 1.2.1. Display management

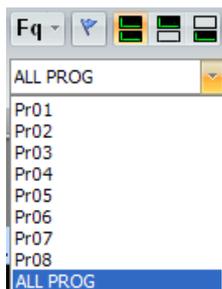
This tab is displaying in real time the pressure and leak measurements curves.



The user can choose to display two lines or one of the two, as well as displaying one program or all (that is to say the current program).

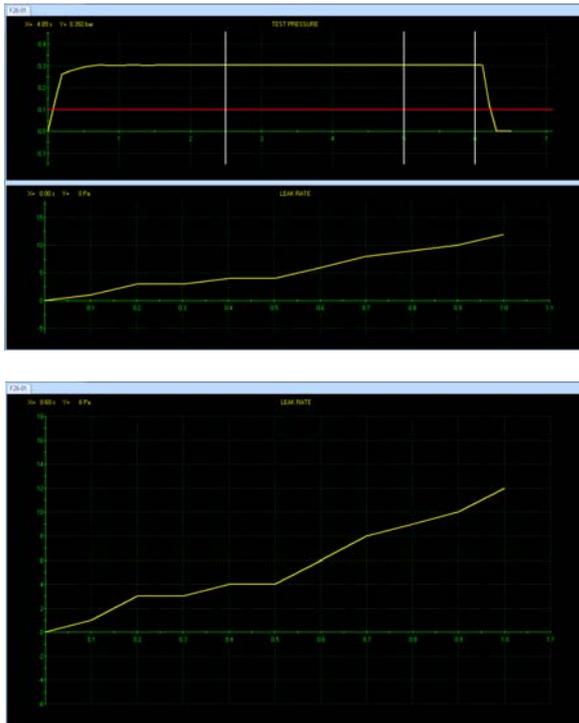


To select the results and curves acquisition curves. The usual operation is "Normal" mode. If the acquisitions are not corrects, change progressively with an upper speed: "Medium", "Fast" or "Turbo" in case of very short cycles.



To select the program which the curves acquisition will be performed.

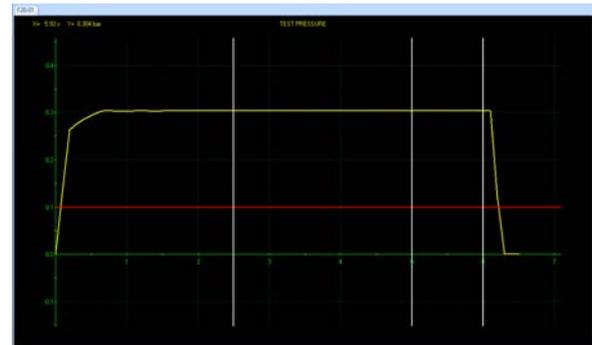
Display of one or the two curves:



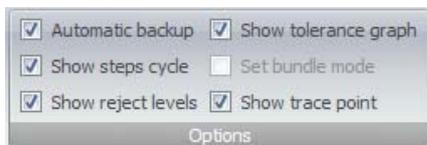
←  The two curves pressure and leak are displayed.

 Pressure curve only.  
↙

 Leak curve only.  
↓



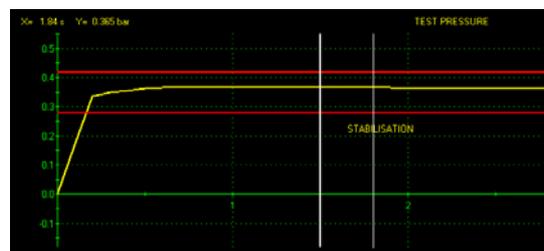
### 1.2.2. Curves option



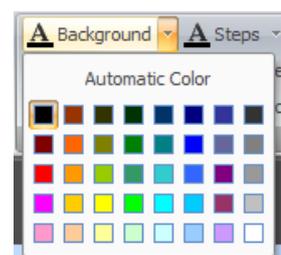
This menu is managing the curves display.

✓ **Automatic backup:** to validate the curves files archiving option. See paragraph "Archiving management".

- ✓ **Show steps cycle:** adds the vertical lines that delineate the cycle steps: fill, stabilization, test...
- ✓ **Show reject levels:** adds horizontal lines that represent the values of the maximum and minimum rejects levels.
- ✓ **Show tolerance graphs:** not functional.
- ✓ **Show trace point:** when flying over the curve with the mouse, a vertical line follows and displays the step overflow. Values (at the intersection of the curve and this line) are displayed in the top left hand of the curve.

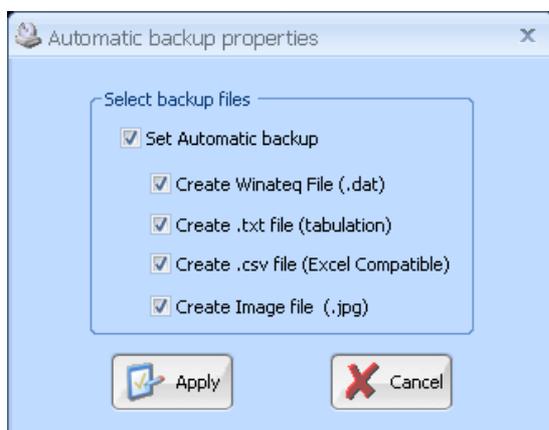
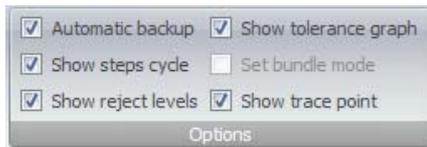


To choose the displayed colors by the user preferences.



### 1.2.3. Archiving management

The curves or the results can be saved and archived on the computer hard drive.



To save automatically all the measurements curves, validate the **"Automatic backup"** function.

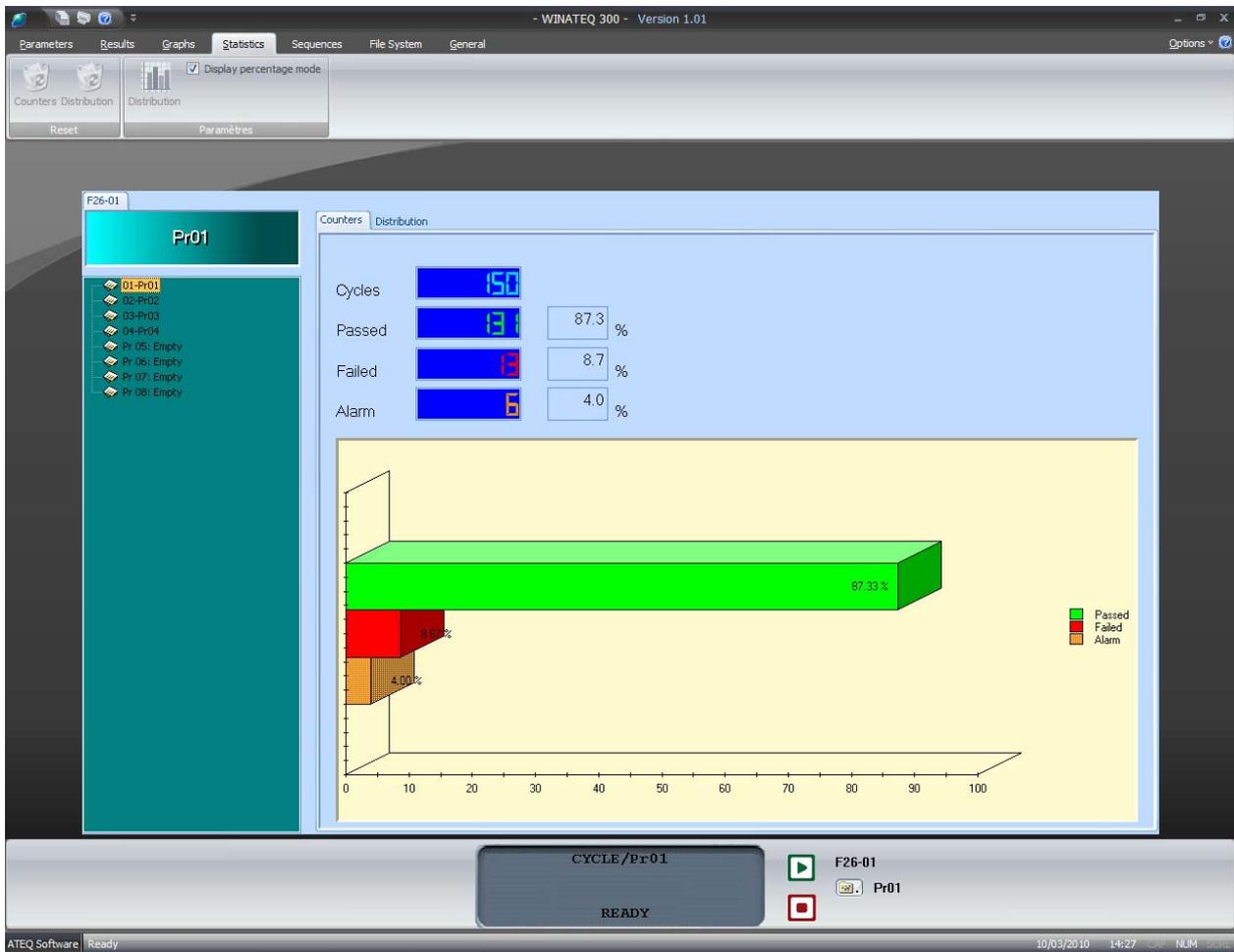
Then configure by selecting the **"Configuration/Automatic backup"** menu, the following menu appears:

Then validate the file format for archiving.

- ✓ Winateq property file (.dat) not functional (file created but can't be read at yet).
- ✓ Text (.txt) file which contains the curve points (time / pressure)
- ✓ Spreadsheet compatible file (Excel) same as text file, in different format (.csv).
- ✓ Picture file (.jpg) which represents the cure in graphic format (same as the screen).

### 1.3. "STATISTICS" TAB

#### 1.3.1. "Counters" tab

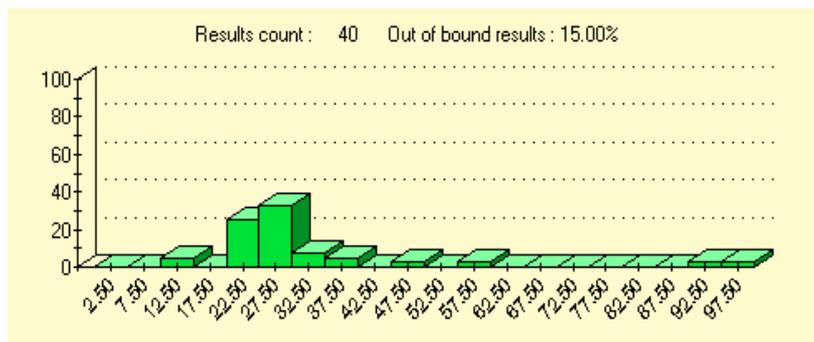


This window in **"Counters"** mode displays, program by program, the distribution of the pass parts, fails and alarms, it allows seeing the production quality.

#### 1.3.2. "Distribution" tab

In this tab are displayed the distribution of the measurement results (between the configured levels) for the concerned program since the last reset. The results are divided in 20 classes. Each class represent a twentieth (1/20<sup>th</sup>) of the difference between the minimum and the maximum level.

The display can be in percent or in value for the selected program since the last reset.



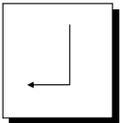
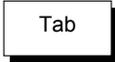
This function is not available for all the device types.

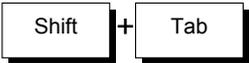
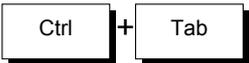
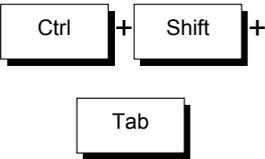
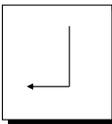
## Appendices

# KEYBOARD SHORTCUTS

**Winateq300** disposes of a number of keyboard shortcuts (similar to those of the desktop explorer), which are presented in the table below.

Some of these shortcuts do not have an equivalent function in the menus.

KEY or COMBINATION	EFFECT
 (of the number pad)	Unfolds all the branches attached to a selected icon.
	Moves back up one level in the files tree.
	Moves down one level in the files tree.
 and 	Moves the highlighting between icons in the tree.
	Moves forward in the selected folder branch. Unfolds the branch if it is not open.
	Moves back up in the hierarchy of the selected folder. If the folder branch is deployed, it is folded back.
 +  and  + 	Scrolls through the tree content.
	After the selection of an icon in the tree, loads the default application (the first in the tasks menu).
 (of the number pad)	Unfolds the branch of the selected folder.
 (of the number pad)	Folds away the branch of the selected folder.
 + 	Closes the application window and allows the exiting from WINATEQ.
 + 	Makes an automatic adjustment of the column widths.
	Allows the access to the next functions.

	<p>Allows the access to the preceding options.</p>
	<p>Allows the access to the next tabs.</p>
	<p>Allows the access to the preceding tabs.</p>
	<p>Activates the scrolling menus.  <i>(Choose one of the different menus by using the  and  keys, and when the desired menu is displayed, select the required command by using the  key, then validate with the  key).</i></p>

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