

**WINATEQ SOFTWARE**  
Version 3.2



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

## **AVERTISSEMENTS**

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The **WINTEQ** software may only be used on one computer. However, the operator is authorised to make a single safety back-up, all other copies regardless of method are prohibited.

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The information contained within this document is supplied purely for information purposes and can be changed at any time without need for prior consultation or warning.

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## REVISION OF THE WINATEQ USER MANUAL

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<u>Edition/ Revision</u>	<u>Reference</u>	<u>Date</u> (week/ year)	<u>Chapters updated</u>
First edition	UM-WinateqA-U	34/2002	-----
Second edition	UM-WinateqB-U	45/2002	Add active windows automatic backup. Automatic backup results option is activated by default. User login becomes an option. Software version 1.00f.
Third edition	UM-WinateqC-U	12/2004	Evolution of the software to 1.01m version: new ergonomic of the software, add statistics, automatic save of the results, automatic/manual parameters exportation, colours configuring.
Fourth edition	UM-WinateqD-U	46/2005	Evolution of the software from the 1.00m version to the 2.0 version.
Fifth edition	UM-WinateqE-U	18/2009	Evolution of the software from the 2.0 version to the 2.7 version.
Sixth edition	UM-WinateqF-U	39/2010	Evolution of the software from the 2.7 version to the 3.2 version.



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# Chapter 1

## INTRODUCTION

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### 1. GENERAL PRESENTATION

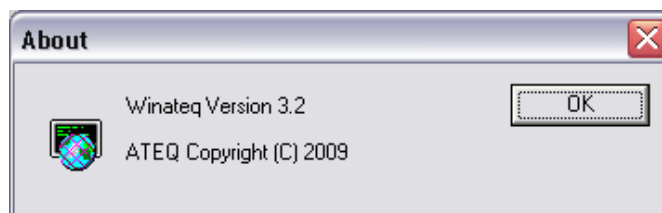
**WINATEQ** is a software PC which allows managing **ATEQ** instruments through a Computer of PC type.

The functions are:

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

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

The following window appears (following version):



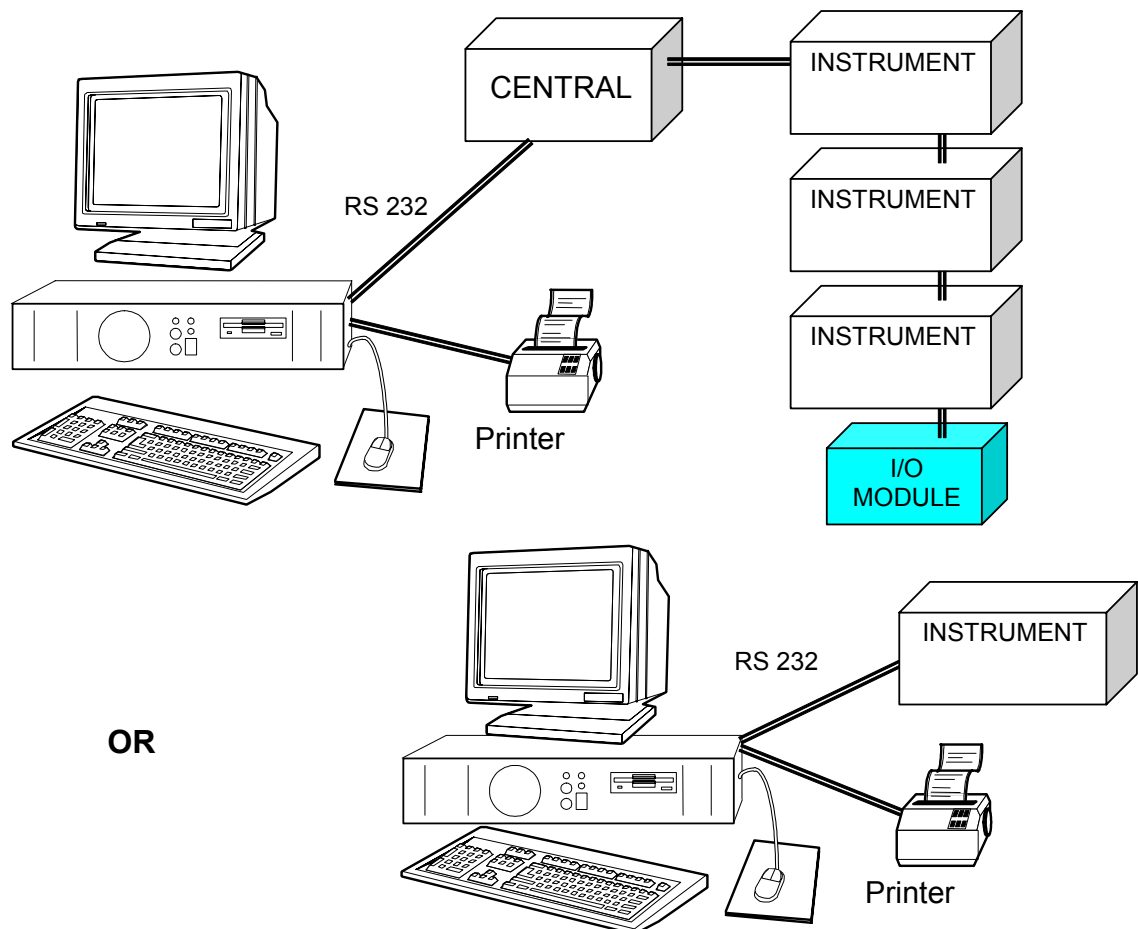
## 2. PRESENTATION OF THE SYSTEM

### 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 : 2000, NT, XP, Vista and Seven.
- CPU : Pentium 2 (300MHz).
- RAM : 32 Mo.
- Available hard disk space : 5 Mo (*no storage*), 500 Mo (*with storage*).
- Video card : VGA.
- Screen : 14".
- Navigation device (mouse, ...) : for the control of the database (not necessary in control mode).
- Communication ports : Parallel, RS232, RS 485.

### 2.2. SETUP DIAGRAM



The instruments are connected on the RS232 port.

**Note:** the software only works with ATEQ series 5 instruments.



### 3. PROGRAM INSTALLATION

The **WINATEQ** 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 on the parallel port or the **USB** port of the computer following the asked option.

We remind you that to install these drivers, you must have the administrator rights on the PC.

##### 3.1.1. Locking key on parallel port

**The installation of the locking key must be done with the computer switched off.**

The locking key is installed on the parallel port of the computer.

This "**ACTIKEY**" protection key requires the installation of drivers to function, depending on the version of **Windows**© which is installed on the computer.

The drivers' installation is automatic with the installation of **WINATEQ** software.

- **Windows**© NT, 2000, XP: drivers are required.

**Note:** However, in case of problem, the drivers required by some versions of **Windows**© are available on the **WINATEQ CDROM** under the "**ACTIKEY**" directory.

##### 3.1.2. Locking key on USB port

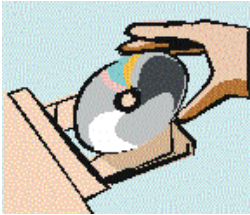
In case of **USB** port locking key installation, the drivers' installation is done manually. When the locking key is connected to the **USB** port **Windows**© detects it and ask for the drivers installation. All it has to do is following the process displayed on the screen.

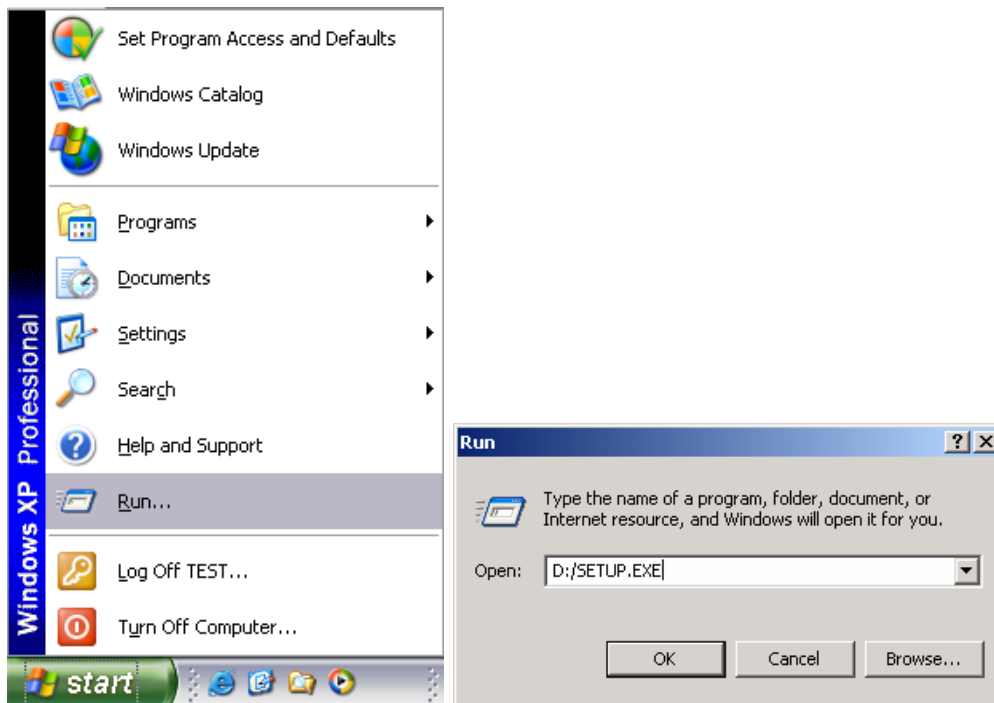
- **Windows**© NT, 2000, XP : **USB** drivers are required.

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

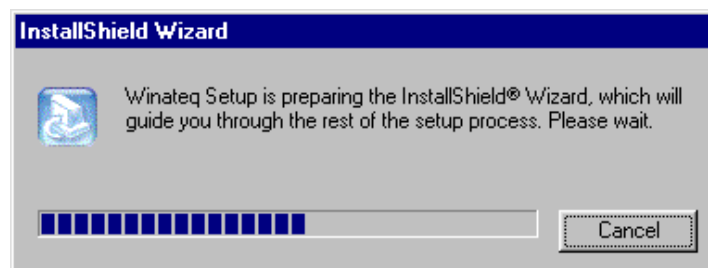
### 3.2. INSTALLATION PROCEDURE

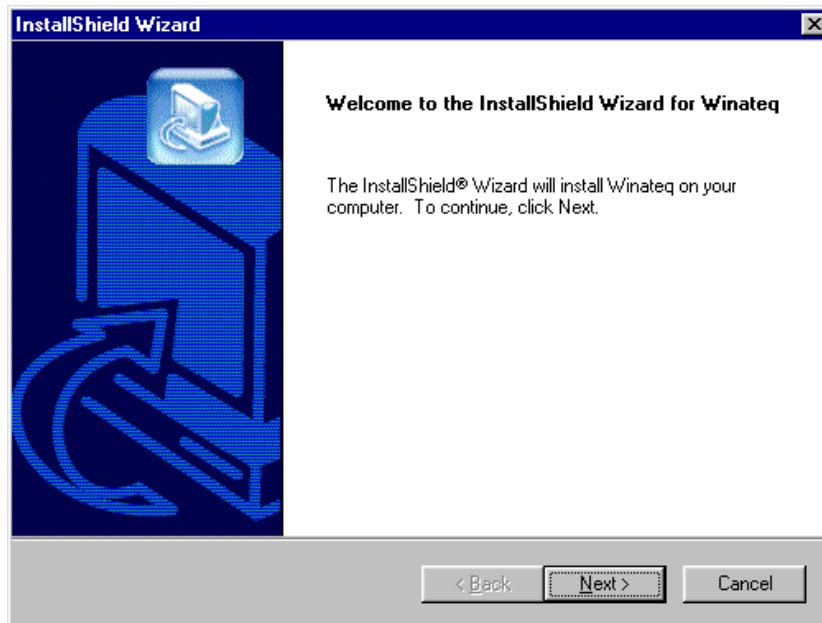
**WINATEQ** installation:

- 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.

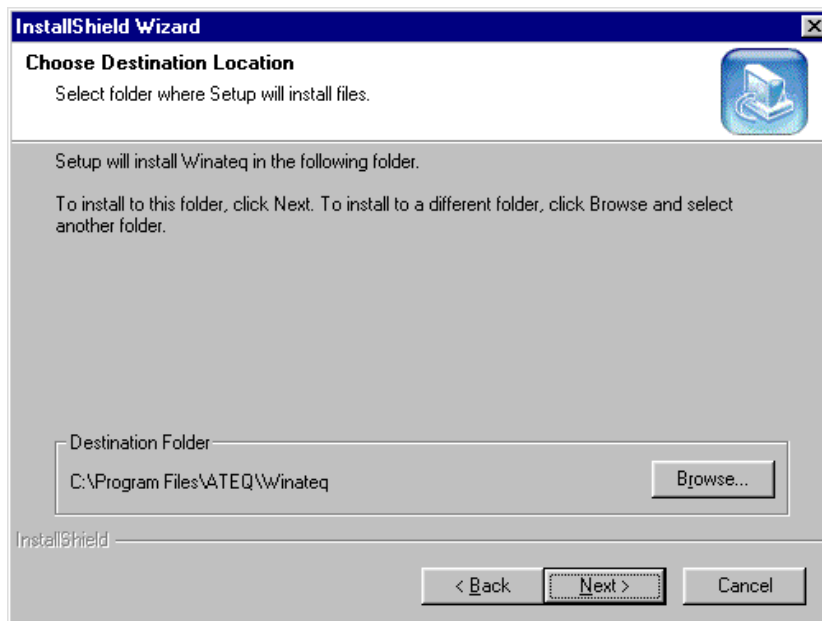


- When the program is launched, the installation runs automatically, all that is necessary is to follow the instructions displayed.





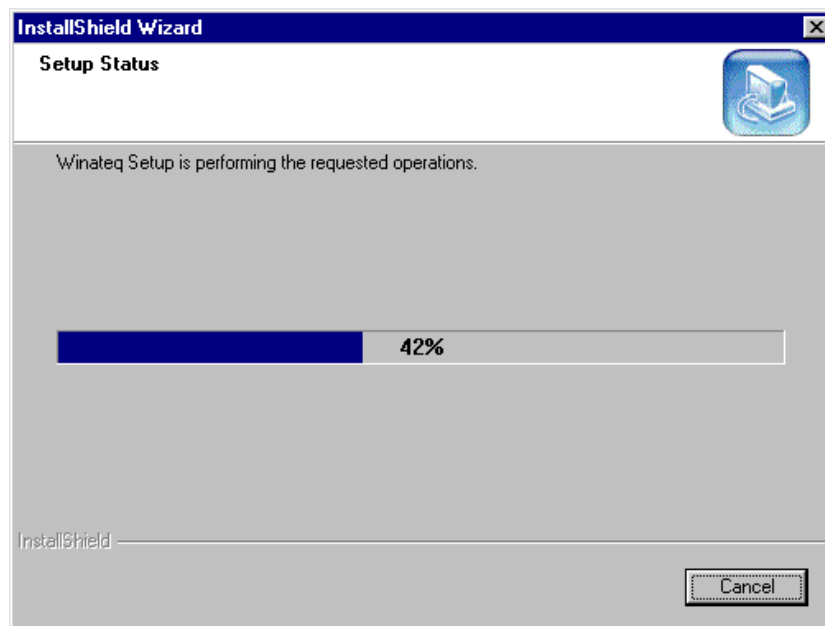
- To continue and confirm the installation, click on **Next>**.



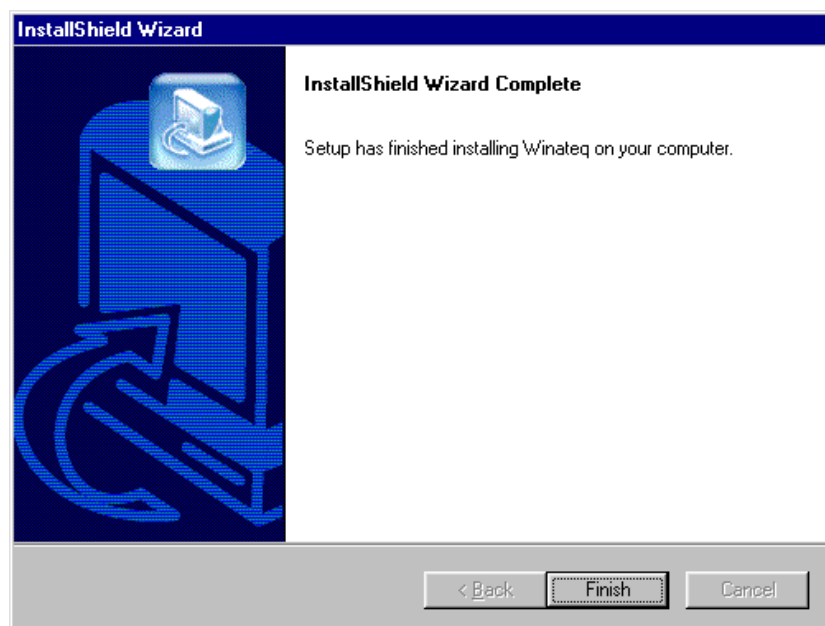
- Confirm the destination of the **WINATEQ** software installation.

**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; **WINATEQ** is installed and ready to operate.

## Chapter 2

# BASIC OPERATION TUTORIAL

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.

### 1. STARTUP AND EXITING OF WINATEQ

This section shows how to open, start and exit **WINATEQ**.

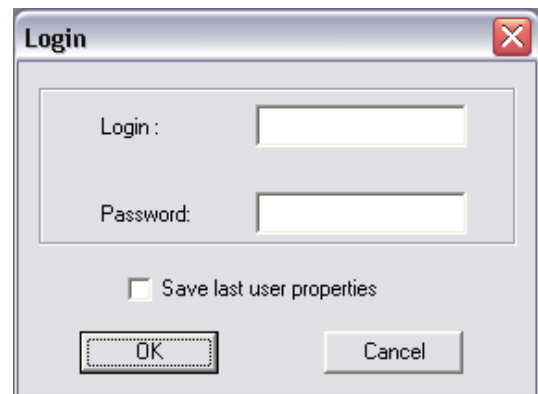
#### 1.1. TO OPEN WINATEQ

The opening of the program (*WINATEQ.EXE*) consists in entering identity, specifying user name and password. This procedure identifies the authorized user and helps to ensure security.

At its launch, **WINATEQ** displays the "Login" window, enter:

- The user name.
- The password.

The first time, **WINATEQ** is started the administrator login name is "admin" in lower case and the administrator password is "admin" in lower case. It should be changed as soon as possible to avoid unauthorized access.



The user name has been defined when the system administrator has created the "user" account.

The password provides security, as it stops unauthorized users from accessing the program.




The option  Save last user properties allows entering the software without necessity to type the login and the password of the last user.

#### 1.2. TO EXIT WINATEQ AND RETURN TO WINDOWS®



*Before switching off or restarting your computer, be careful to always exit **WINATEQ** and **WINDOWS®**. You will be sure that your work has been saved on the hard drive.*

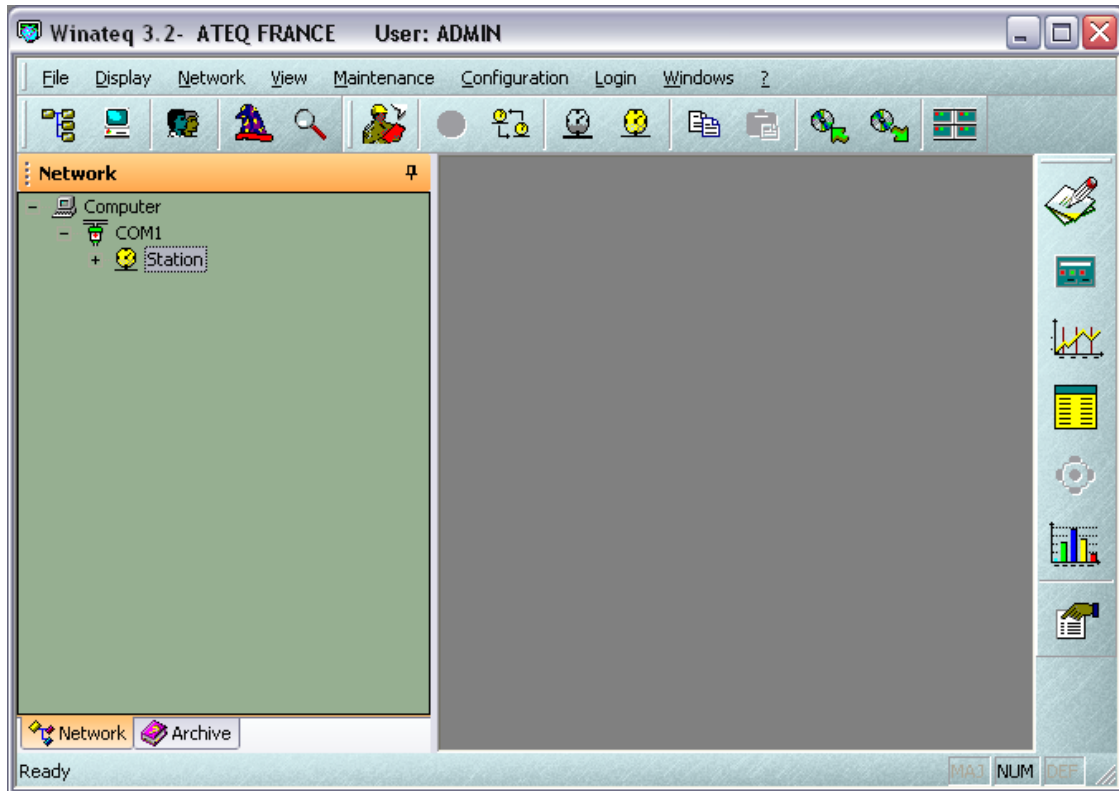
There are three ways to exit **WINATEQ**:

- Carry out the following key combination  + .
- In the FILE menu, click on QUIT.
- Validate the  button situated in the upper right hand angle of the window.

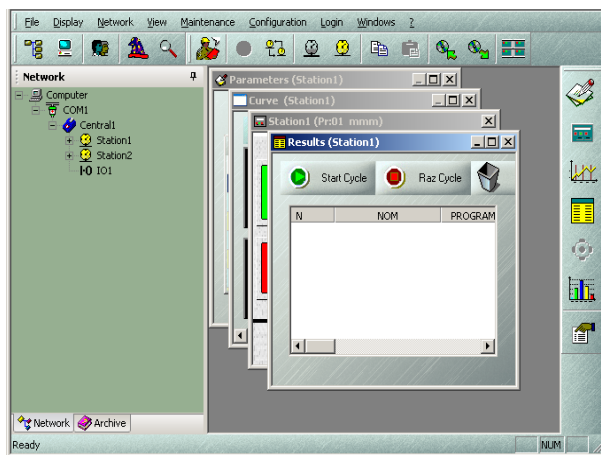


## 2. VISUALISATION OF THE CONTENT OF THE CONFIGURATION

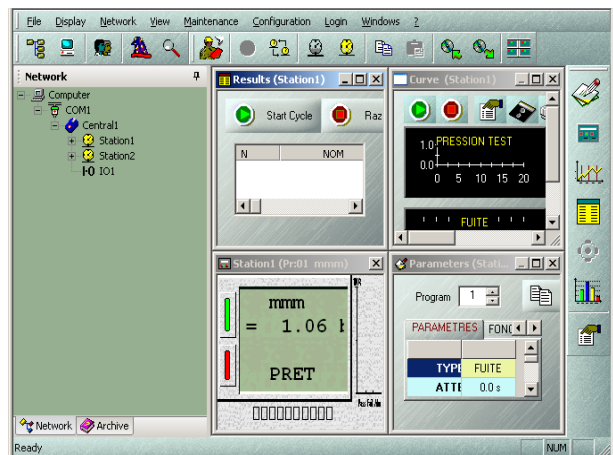
The **WINATEQ** program is a tool which allows the controlling and managing of a network, the setting of test parameters for ATEQ instruments as well as their remote operation.



The different windows can be displayed in several different ways depending on the choice or the preference of the operator:



"Cascade" display.



"Mosaic" display.

## 2.1. SUMMARY OF THE CONTROLS

Depending on the user level, different icons will be displayed in the menu, such as:



*NETWORK icon*

To open the network display window.



*REMOTE CONTROL icon*

To display the remote control.



*USERS icon*

The security linked to the users of the program is managed with this function. The program administrator can create the user accesses.



*INSTALL WIZARD icon*

This "**Wizard**" command allows the rapid installation of an **ATEQ** network.



*AUTOMATIC DETECTION icon*

To launch an automatic detection of a network composed with **ATEQ** instruments connected.



*CHECK NETWORK icon*

Network communication check.



*INSERT NEW DEVICE icon*

In the network management, allows adding a measurement station or an Input/Output module.



*REPLACE icon*

In the network management, allows replacing a measurement station or Input / Output module by another of the same type and configuration.



*OFFLINE icon*

Allows the deactivation of a selected instrument from the network.



*ONLINE icon*

Allows the activation of a selected instrument in a network.



*COPY icon*

Allows the transfer data into the "clipboard" we will use or paste a few later.



*PASTE icon*

Allows the transfer of data from the "clipboard".



*BACKUP icon*

To save on the hard drive the parameters and configuration.



*RESTORE icon*

To restore saved data (parameters and configuration) from the hard drive.



*AUTO icon*

To display in Mosaic type the supervisor window of all the connected heads.



*PARAMETERS icon*

To display the test parameters of the selected instrument.



*SUPERVISION icon*

To display the supervisor window of the selected instrument, test status, pass or fail status, and results value display (identical to the L.E.D. display).



*CURVE icon*

To display the two measurements curves of the selected head, pressure and differential sensors display.



*RESULTS icon*

To display the measurements results of the selected measurement head.



*CONTROL icon*

To display the control, test status, test pass or fail, special cycle selection and launch, value display and parameter value windows (identical to the 4 line L.C.D. display).



*STATISTICS icon*

To display the statistics under graphical forms of the measurement results.



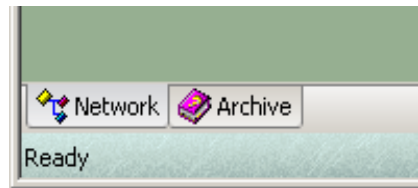
*PROPERTIES icon*

To display the properties of the selected component.

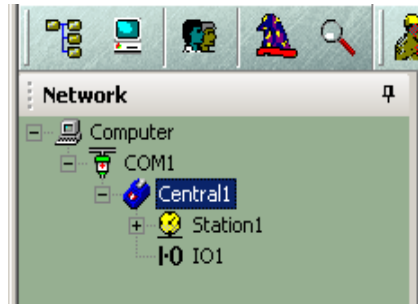


The selection of the current head is carried out in the "Network" window in which the network menu is displayed, simply "click" on an element to select it and activate it.

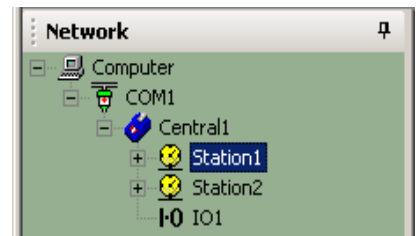
Select the "Network" tab from the menu.



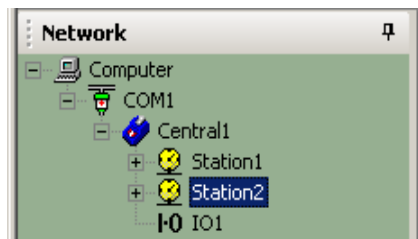
Central 1 is selected:



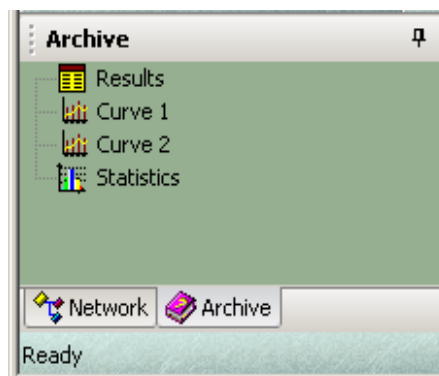
Station 1 is selected:



Station 2 is selected:



Under the "Archive" tab there's the save menu, measurement results, curve 1 and 2 saves and the statistics save.



See chapter 5.

## 2.2. TOOLS BARS

The "Display/Tools bars" menu allows selecting the tools bars displayed on the screen.

"General" tool bar:



"Service" tool bar:



"View" tool bar:



State bar:



### 3. INTERFACE

The program can be used either with a mouse or with a keyboard in control mode. When a mouse is actively connected to the computer, no other instrument can be used on the RS232 serial port.

The following section demonstrates how the mouse or the keyboard can be used to quickly complete standard actions.

#### 3.1. USE OF THE MOUSE



Reminder: the mouse has at least two buttons (*right button / left button*).

##### 3.1.1. Evolve in the instrument tree

The key to navigating on the tree is the  and  signs displayed on the left of the icons in each branch.

To expand the branches further, just “click” on the  handle.

If a more general vision is required, just close a branch by validating the  handle.

##### 3.1.2. Accomplish regular tasks

By clicking on the right mouse button on any element in the instrument tree, a second menu is made to appear which contains all the actions which can be carried out on this element.

Next, select the task to be activated.

#### 3.2. USING THE KEYBOARD



To use the keyboard, simply apply the same methods as those used to navigate in the *WINDOWS explorer*. The program shares identical keyboard shortcuts for which you will find reminders in the appendices.

##### 3.2.1. Evolve in the menus

It is possible to unfold all the branches in shot tanks to a defined icon. Highlight the icon, then press on the  of the number pad.

To unfold a single branch, press on the  key of the number pad.

To fold a branch, press on the  key of the number pad.

##### 3.2.2. Accomplish regular tasks

The  key + "the letter underlined in the menu" allow displaying the selected submenu.



## Chapter 3

---

# SUPERVISION OF USER ACCOUNTS

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### 1. MANAGEMENT OF THE DIFFERENT USERS

When the program is started, it will ask for identification. This constitutes a security, as it denies unauthorized operators from accessing the program.

In addition, the actions which can be accomplished can be changed depending on the user rights. These rights are decided by the administrator who will determine the commands which will be authorized.

The different hierarchical levels are as follows:

- **Administrator:**

The administrator account (ADMIN) is used by the person who manages the user rights and system configuration; his rights give him access to all functionalities.

The administrator also has the possibility of launching controls and carrying out servicing on the instruments.

- **Operators:**


The authorized actions can be configured by the group administrator.

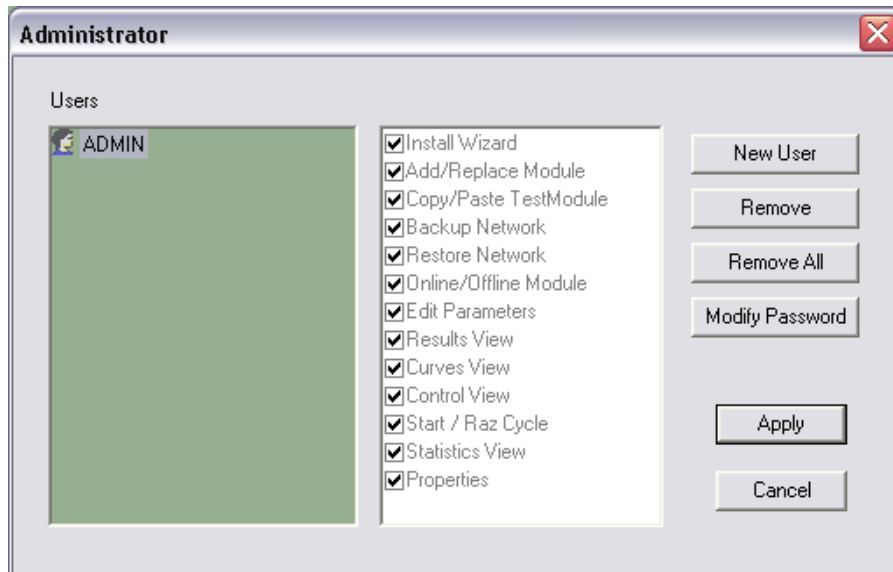
Refer to paragraph 2.1 "Creation of a new account".


## 2. CREATION OF A NEW ACCOUNT


### 2.1. ACCOUNT CREATION

The administrator can authorize a third party to use the program:


- Click on the  icon.
- The "Administrator" menu appears:

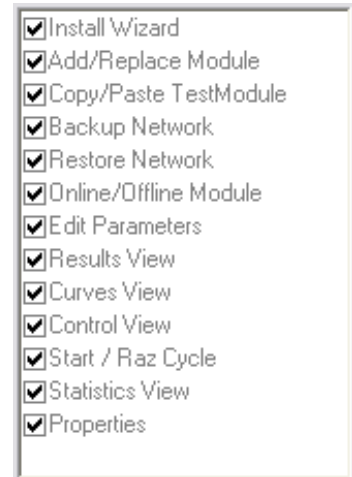


- Then, to create a new user, press on the  button, the following window appears:

- Enter the "User Login" name for the new user.
- Then, enter his password for the first time.
- Then, confirm for a second time the password.
- When the parameters are entered, validate by pressing on "OK".
- The operator supervision window reappears, the administrator validates the functions which the new created operator will have access, then presses on the  button to confirm and validate the selection.

The functions list that the administrator validates is seen to the right.

To validate a function, just press it to make the tick appear in the  dialog box.




**Note:** to have access to the "**Control**", function, supervision of cycle starts and stops for the module, validate the "**Control view**" function.

- At the next connection, the user will enter his username and password; he will have the rights which have been given by the administrator.


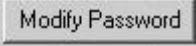
The current user name is displayed on the up left side of the window in the title bar.



## 2.2. CHANGING THE PASSWORD

Only the administrator can modify the personal password in order to guarantee a controlled access to the program, for the other users the  icon becomes inactive:


To change the password, the administrator must follow the procedure below:

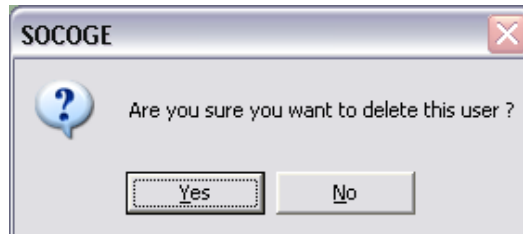
- Press on the  icon.
- The "**Administrator**" menu appears.
- Next, the user have to select its login and press on the  button, the following window appears:




- The user enters his new password two times, and confirms it with "**OK**".

### 3. DELETION OF AN ACCOUNT

This operation can only be carried out by an administrator account. To delete, select the user, then press on the  button, **WINATEQ** asks for a confirmation of the account deletion, validate with “**Yes**”.



Validate the deletion by pressing on the  button.

The  button deletes all the users other than the "**Administrator**" which have been created in the base, **WINATEQ** asks for confirmation of the deletion of the account, validate with "**Yes**".

**Note:** any deletion is definitive and irreversible. To re-establish an account, create a new one.



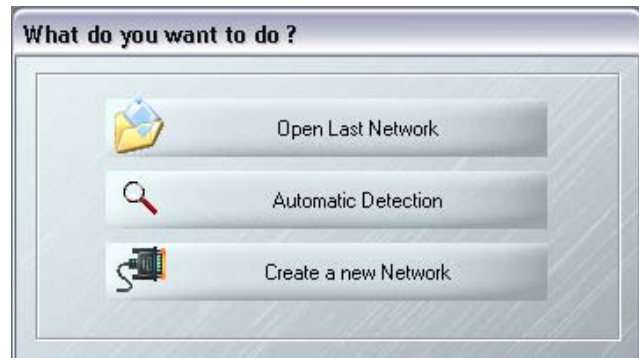
## Chapter 4


# NETWORK MANAGEMENT

### 1. STARTING UP THE NETWORK

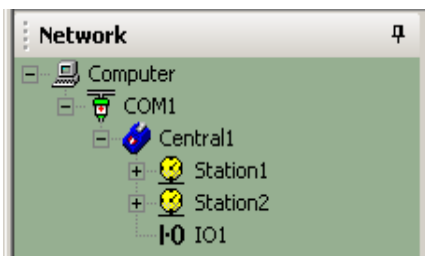
#### 1.1. OPENING AN EXISTING NETWORK

When **WINATEQ** is started, after having entered login and password, depending on the user rights, **WINATEQ** asks the user "What do you want to do?":

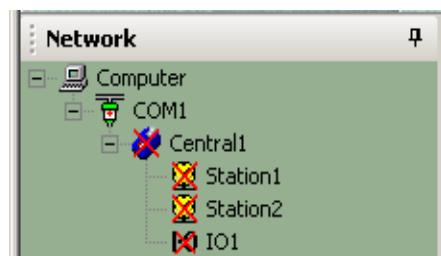


- The  **Open Last Network** option allows the activation of the last network connected to the computer (rapid start as there is no configuration search). In the event of the network is not connected, **WINATEQ** will indicate communication errors.


This function is available in the "**Network / Open Last Network**" menu or with the keyboard shortcut "**Ctrl + O**".



**WINATEQ** has detected the network and all the instruments are active.




Above, **WINATEQ** has not detected a network.

- The  **Automatic Detection** option allows the detection of the network which is connected to the computer, which is useful when the network structure is unknown.

During the detection the following window is displayed.

**Note:** in the event of an excessively long detection time (several minutes) stop the search, one or more instruments are not properly connected. The network tree is displayed in the left window.




The automatic detection function is also available by pressing on the  icon.

When the detection is complete, the "**Automatic Detection**" window disappears and the instruments tree is displayed in the left window.

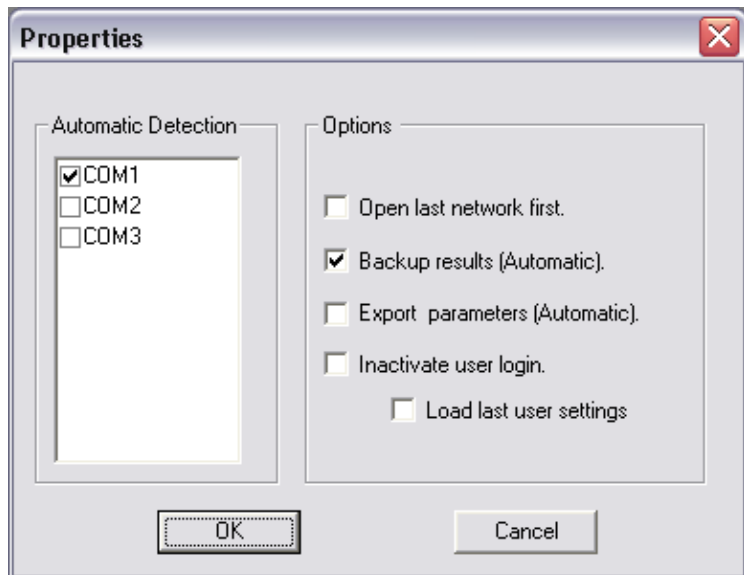
Functions are accessible in the menu "**Network / Automatic Detection**" or with the keyboard shortcut "**Ctrl + D**".

It is recommended to initially check that the correct communication port has been selected and that the search is being undertaken on that port:

If several ports are validated, the automatic search will check them one after the other.

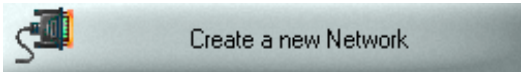
- ✓ Open the "**WINATEQ Properties**" window through the "**Configuration / WINATEQ Properties**" menu. The following window appears:
- ✓ Validate  the communication ports in which the search should be carried out.

**Note:** the number of ports displayed is depending of the ports in the computer detected by **WINATEQ**.



- ✓ The validation of the  **Open last network first.** option allows the automatic loading of the last network used when the **WINATEQ** program is restarted, in such a way as to avoid the "**What do you want to do?**" menu (Refer to paragraph 1.1 of this chapter). The last configuration displayed will be used at next starting.
- ✓ The validation of the option  **Backup results (Automatic).** allows saving automatically the results of each measurement cycle. The save are in the "**C:\Program Files\ATEQ\Winateq\Results\**" directory with a "TXT" file format named with the following way: "**Station\_JJMMMAAAA.txt**" (instrument type and date, see above the example of results outputs).
- ✓ The validation of the option  **Export parameters (Automatic).** allows exporting automatically the programs parameters of all the heads after each modification of their programs. This operation allows archiving the modification history, see paragraph 1.5. "**Exporting parameters**". The parameters are exported in the "**C:\Program Files\ATEQ\Winateq\Parameter\**" directory named by a date or by "**Last**" for the last modification.
- ✓ The validation of the option  **Inactivate user login.** allows starting **WINATEQ** without entering user login and password; the rights of the last user logged are validated.
- ✓ The validation of the option  **Load last user settings** allows starting the software with the login and the password of the last user without the entering them.

**Note:** WINATEQ can manage several networks of instruments which are connected to different communication ports; they will be displayed in the tree.

- The  option is only valid in "Administrator" mode or if the "Install wizard" right is validated. It allows the installation or the creation of a new network.

For that, an assistant "Wizard" can help in the creation of a new network. Refer to the following paragraph "Create a new network".

This function is accessible in the "Network / Install Wizard" menu or with the keyboard shortcut "Ctrl + W".

Example of results outputs (txt file):


N°	NAME	RUN PROGRAM	RESULTS	LEAK =	REJECT UNIT	PRESS =	PRESSURE UNIT	ALARM	BAR CODE NUM.	Date	Time
1		2	(OK)	13	Pa	0.409	bar			17/02/2009	09:33:22
2		2	(OK)	7	Pa	0.409	bar			17/02/2009	09:33:30
3		2	(OK)	14	Pa	0.409	bar			17/02/2009	10:10:10
4		2	(OK)	11	Pa	0.410	bar			17/02/2009	10:10:22
5		2	(OK)	7	Pa	0.409	bar			17/02/2009	10:10:30
6		2	(OK)	9	Pa	0.409	bar			17/02/2009	10:10:42
7		2	(OK)	9	Pa	0.409	bar			17/02/2009	10:10:57
8		2	(OK)	10	Pa	0.408	bar			17/02/2009	10:11:14
9		2	(OK)	7	Pa	0.408	bar			17/02/2009	10:11:23
10		2	(OK)	6	Pa	0.408	bar			17/02/2009	10:11:32
11		2	(OK)	6	Pa	0.407	bar			17/02/2009	10:11:41
12		2	(OK)	5	Pa	0.408	bar			17/02/2009	10:11:49
13		2	(OK)	5	Pa	0.407	bar			17/02/2009	10:11:58
14		2	(AL)			0.407	bar	>> F.S. TEST		17/02/2009	10:12:06
15		2	(AL)			0.406	bar	>> F.S. TEST		17/02/2009	10:12:12
16		2	(AL)			0.406	bar	>> F.S. TEST		17/02/2009	10:12:18
17		2	(TD)	360	Pa	0.406	bar			17/02/2009	10:12:24
18		2	(TD)	246	Pa	0.406	bar			17/02/2009	10:12:30
19		2	(TD)	162	Pa	0.406	bar			17/02/2009	10:12:37
20		2	(TD)	85	Pa	0.406	bar			17/02/2009	10:12:45
21		2	(TD)	56	Pa	0.405	bar			17/02/2009	10:12:51
22		2	(OK)	36	Pa	0.406	bar			17/02/2009	10:12:58
23		2	(OK)	6	Pa	0.407	bar			17/02/2009	10:13:13
24		2	(OK)	9	Pa	0.408	bar			17/02/2009	10:15:04
25		2	(TD)	266	Pa	0.408	bar			17/02/2009	10:15:16
26		2	(TD)	241	Pa	0.407	bar			17/02/2009	10:15:21
27		2	(TD)	204	Pa	0.407	bar			17/02/2009	10:15:27
28		2	(TD)	113	Pa	0.407	bar			17/02/2009	10:15:33
29		2	(TD)	53	Pa	0.407	bar			17/02/2009	10:15:41
30		2	(OK)	42	Pa	0.407	bar			17/02/2009	10:15:48
31		2	(OK)	39	Pa	0.407	bar			17/02/2009	10:15:54
32		2	(OK)	12	Pa	0.406	bar			17/02/2009	10:42:53
33		2	(OK)	12	Pa	0.408	bar			17/02/2009	10:44:42
34		2	(OK)	5	Pa	0.407	bar			17/02/2009	10:44:48
35		2	(OK)	4	Pa	0.407	bar			17/02/2009	10:44:55
36		2	(TD)	237	Pa	0.407	bar			17/02/2009	10:45:02
37		2	(TD)	120	Pa	0.406	bar			17/02/2009	10:45:09
38		2	(AL)			0.000	bar	PRESSURE TOO LOW		17/02/2009	10:45:17
39		2	(OK)	7	Pa	0.406	bar			17/02/2009	10:45:29
40		2	(OK)	4	Pa	0.406	bar			17/02/2009	10:45:35
41		2	(OK)	4	Pa	0.406	bar			17/02/2009	10:45:43
42		2	(OK)	4	Pa	0.409	bar			17/02/2009	10:48:10
43		2	(OK)	8	Pa	0.370	bar			17/02/2009	10:48:42
44		2	(OK)	9	Pa	0.442	bar			17/02/2009	10:49:00
45		2	(OK)	42	Pa	0.425	bar			17/02/2009	10:49:14
46		2	(OK)	46	Pa	0.417	bar			17/02/2009	10:49:31
47		2	(TD)	93	Pa	0.431	bar			17/02/2009	10:49:37
48		2	(TD)	112	Pa	0.424	bar			17/02/2009	10:49:43
49		2	(TD)	58	Pa	0.424	bar			17/02/2009	10:50:04
50		2	(OK)	36	Pa	0.402	bar			17/02/2009	10:50:29
51		2	(OK)	10	Pa	0.402	bar			17/02/2009	10:57:27

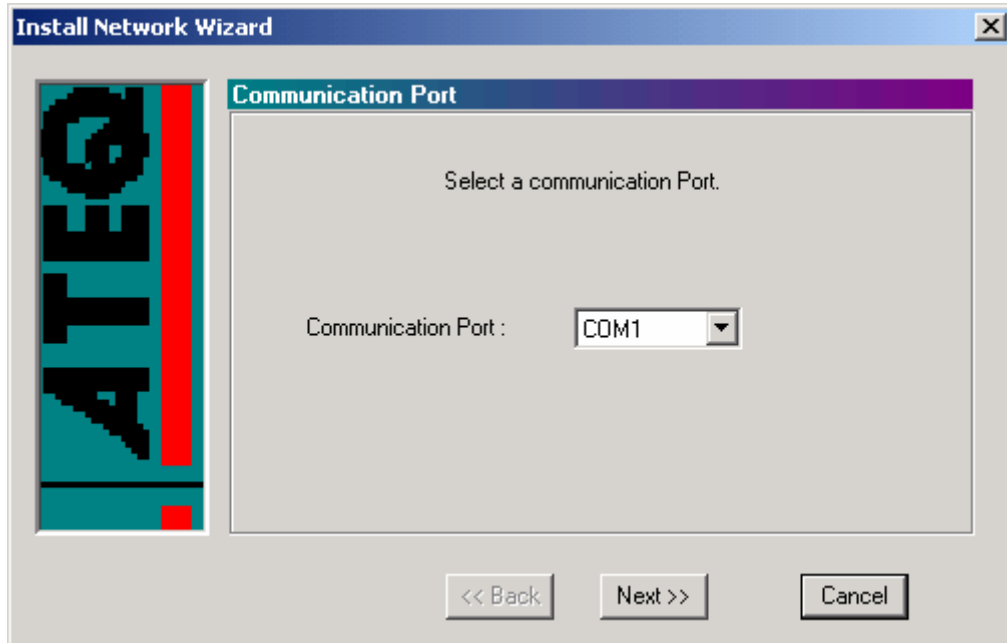
The recorded fields in this file are:


<b>N°</b> = Test record number.	<b>PRESS</b> = Measured test pressure.
<b>NAME</b> = Program name personalization	<b>PRESSURE UNIT</b> = Test pressure unit.
<b>RUN PROGRAM</b> = Current program	<b>ALARME</b> = displaying of the triggered alarm.
<b>RESULTS</b> = Test results (OK/DT/DR/AL).	<b>BAR CODE NUM.</b> = Bar code number of the tested part if existing.
<b>LEAK</b> = Measured leak value.	<b>Date</b> = Test date.
<b>REJECT UNIT</b> = Test reject unit.	<b>Time</b> = test time.

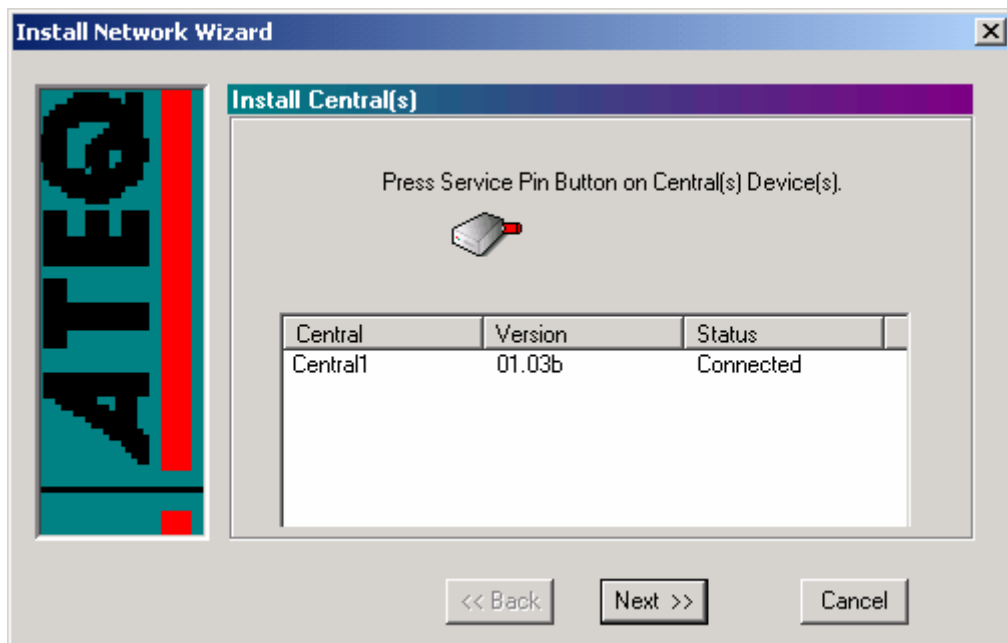
## 1.2. CREATE A NEW NETWORK

The "**Wizard**" function follows a procedure for the quick network creation with **ATEQ** instruments.

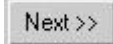
- To start the network creation, press on the  "**Wizard**" icon.

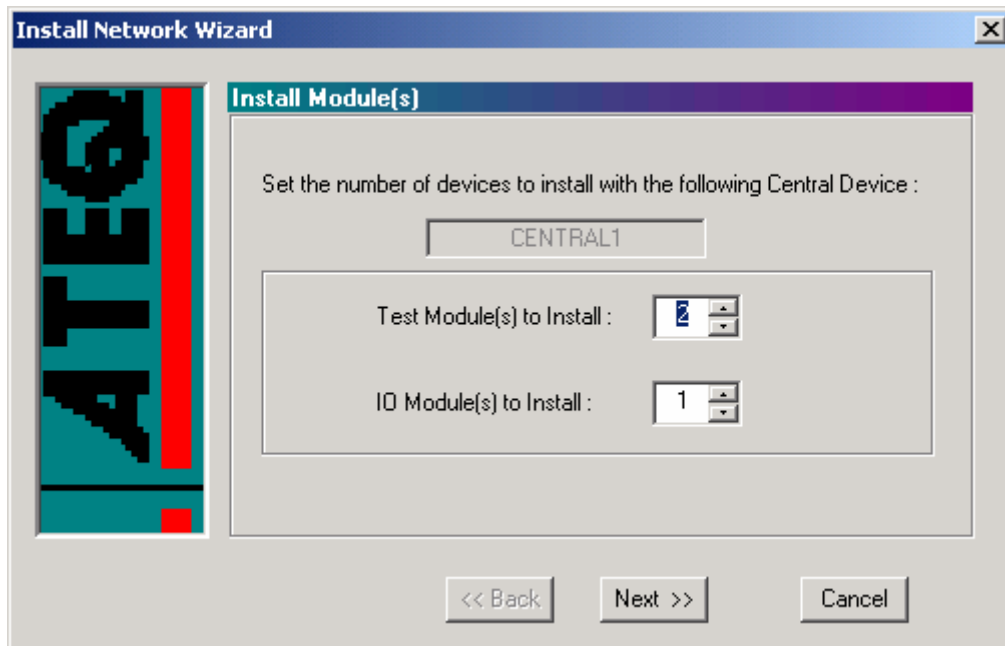


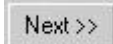
- **WINATEQ** asks you to choose the communication port.
- To continue the installation press on the  button.

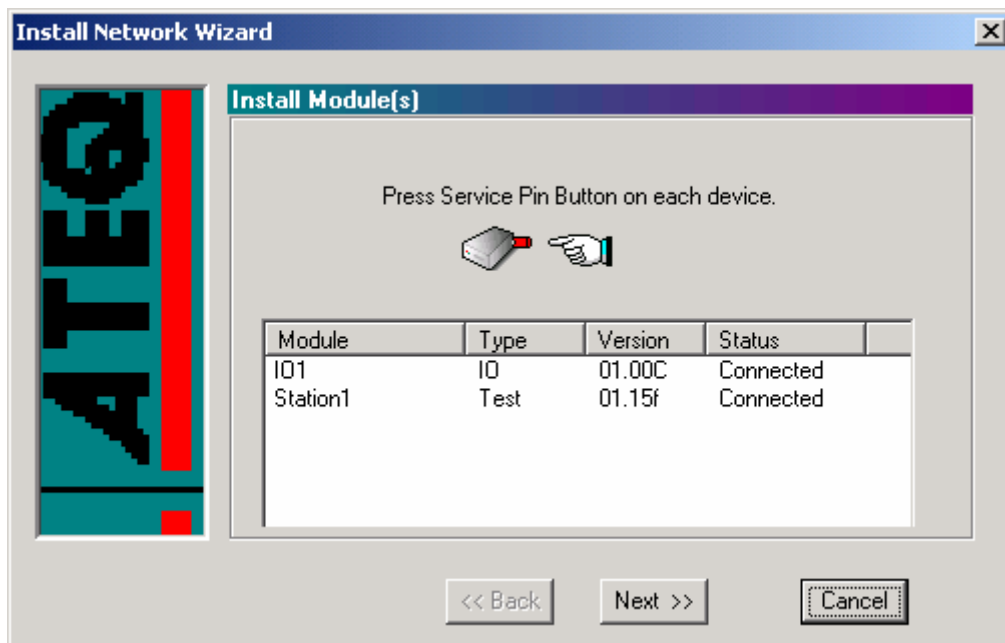


- Press on the "**Service PIN**" button of the centrals, to declare them in the network. For more detailed explanations, refer to the manual on the centrals.

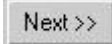
- To continue the installation press on the  button.

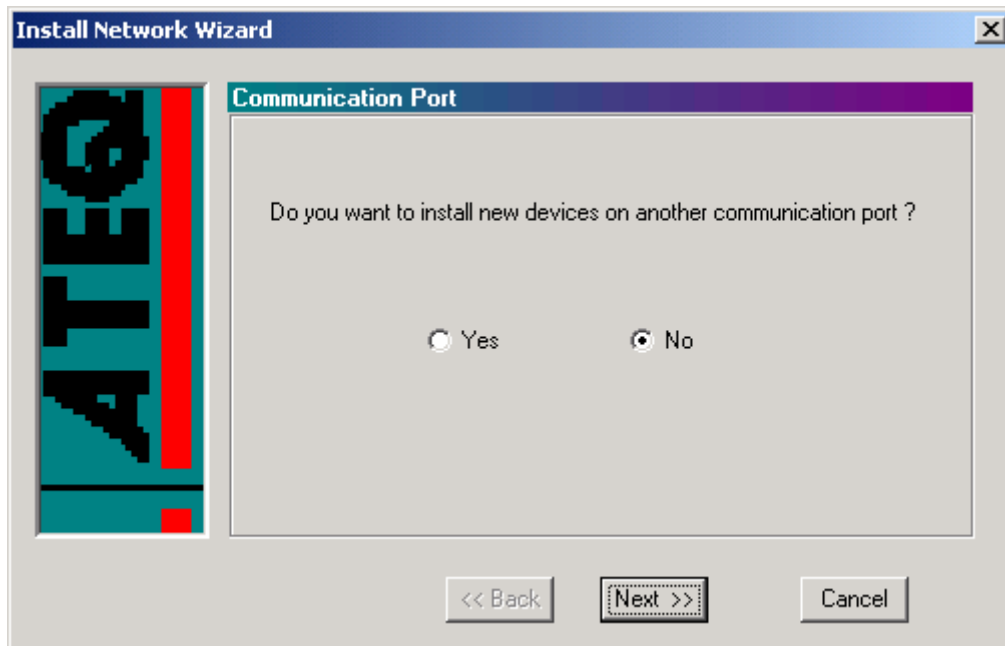


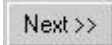
- Next, enter the number of instruments and the number of Input/Output modules to be installed.
- To continue the installation press on the  button.

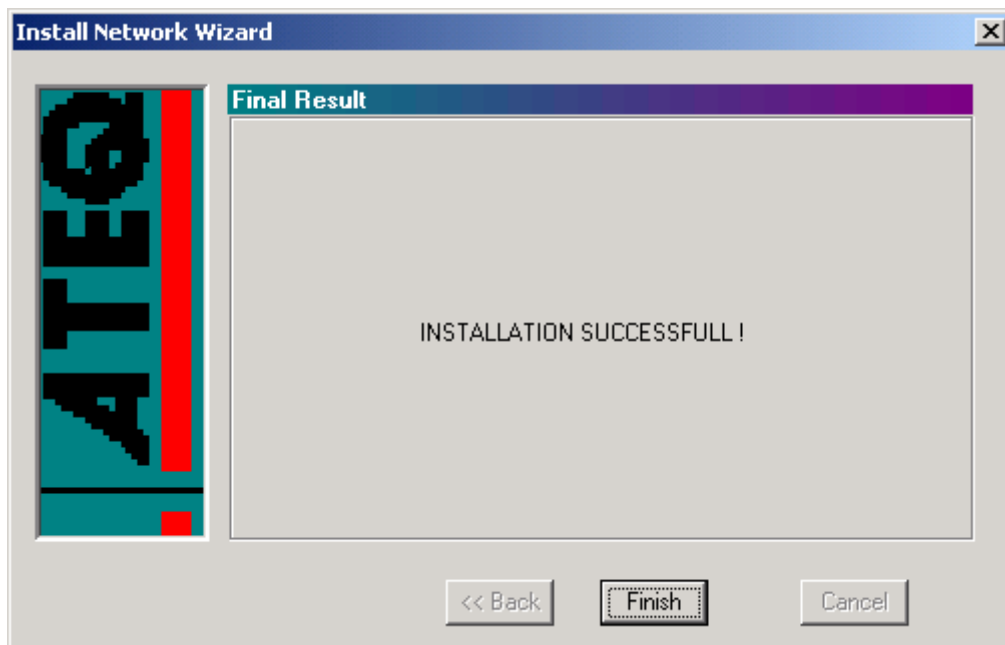



- On the request of **WINATEQ**, press on the "**Service PIN**" button of each instrument or input / output module in order to declare them in a given order in the network.
- To confirm that the head is declared in the network, the message "**Connected**" appears in the "**Status**" bar,

- To continue the installation press on the  button.



- Next, **WINATEQ** will ask you if you wish to install a new element (central, I/O module or instrument) on another communication port. **WINATEQ** is able to manage several communication ports.
- To continue the installation press on the  button.




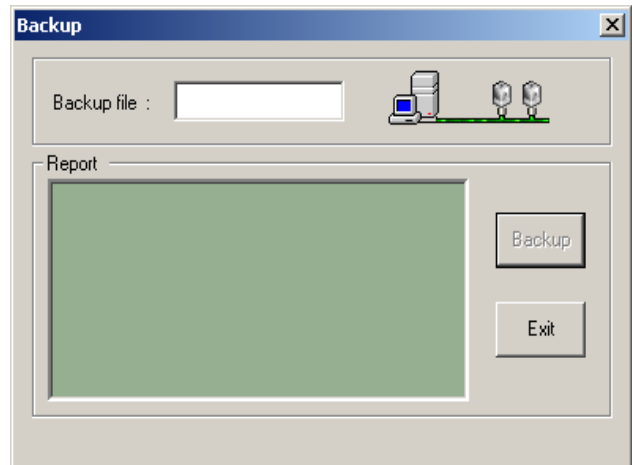
- **WINATEQ** informs you that the network installation is complete.
- To finish the installation press on the  button.

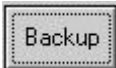
### 1.3. SAVING A NETWORK

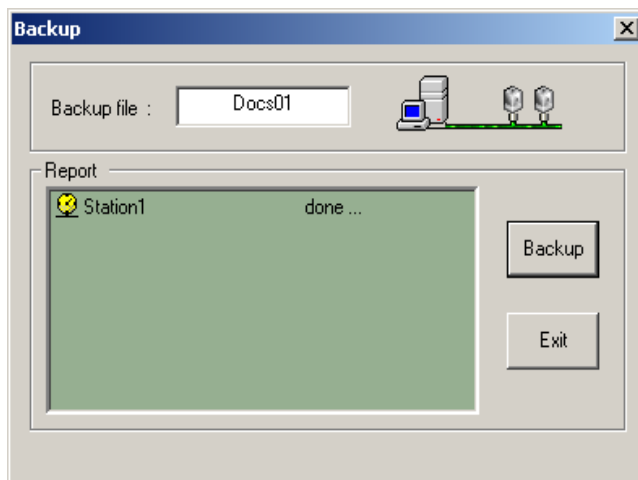
**WINATEQ** allows saving a network in file form on the hard-drive, enabling the configuration recovery of the programs and the tests parameters of each component in the network.

Function accessible in the "**Network / Create Backup File**" menu or with the keyboard shortcut "**Ctrl + S**".

- To save a network, press on the  icon, the following window appears:




- Enter a file name in which the network will be saved.
- Validate by pressing on the  button.



The program saves the network; the progress of the saving is displayed in the window.

When the saving is completed, the following message appears:



- To exit, press on "OK".
- Then, press on the  button.

The saved file is copied in the hard drive in the following folder:


**C:\Program files\ATEQ\Winateq\Backup**

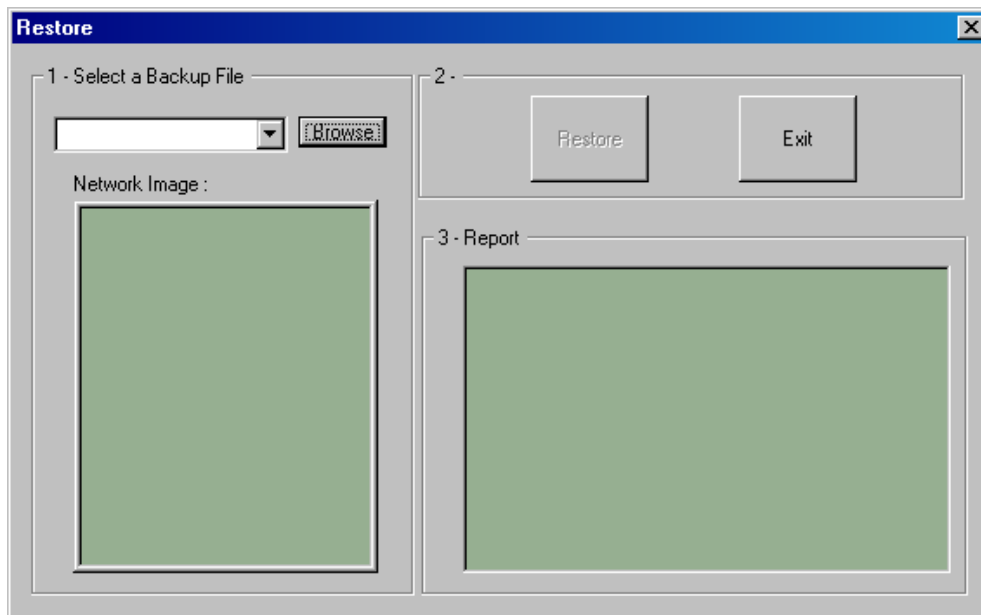
## 1.4. RESTORE A NETWORK


When a network has been saved on the computer hard-drive, it can be restored for the whole instruments (in the event of parameters loss).

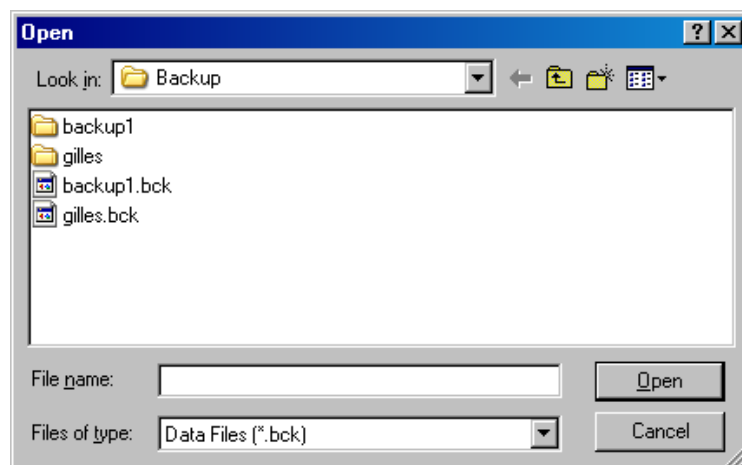
Function accessible in the "**Network / Restore**" menu or with the keyboard shortcut "**Ctrl + R**".

Restoration procedure:

- Press on the  icon, the following window appears:



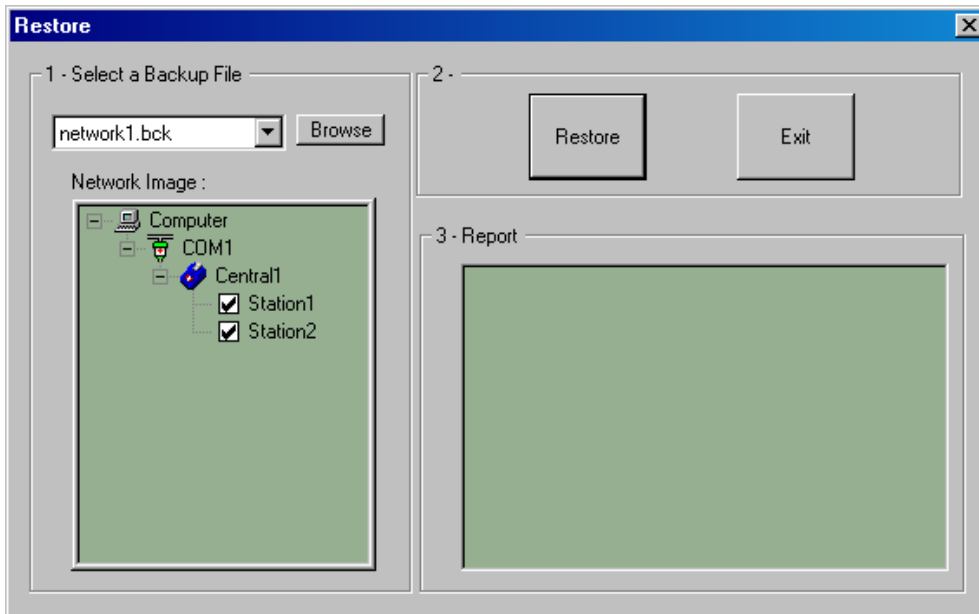
- If the file name is known, enter it in the "**Select a Backup File**" zone, otherwise, press on the  button to make the list of saved files appear.




- Select the **BCK** file then press on the  button.

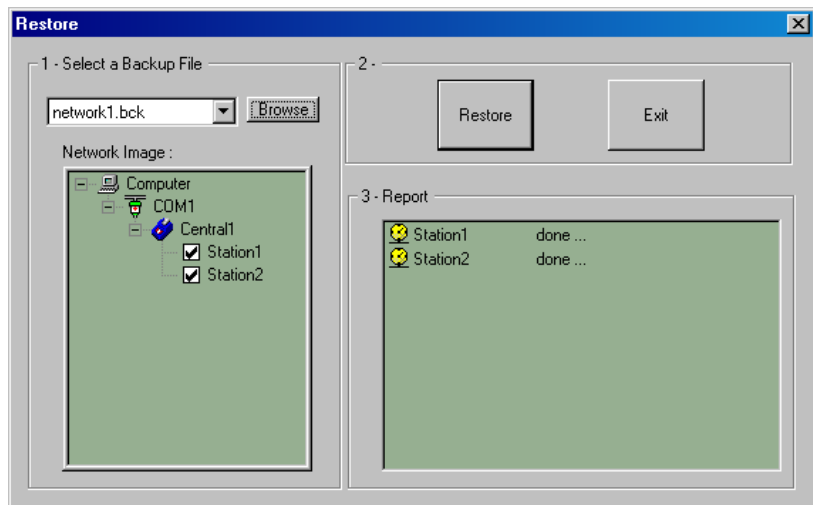
The selected network file is opened, and its tree appears in the left side window so that the configuration can be visualized. Check that the file configuration corresponds to the connected network.





- If the configuration matches, press on the  button to download all the parameters and programs in the instruments of the network.
- It's possible to partially restore the network, by selecting the components that you wish to upload. Validate the  box or not  to restore the desired instruments.

- For each instrument a "done" message is displayed to indicate the progress and the success of the downloading.



When the download is fully and correctly completed the following message appears:

- To exit, press on "OK".



- To exit the restoration mode, press on the  button.

## 1.5. EXPORTING PARAMETERS

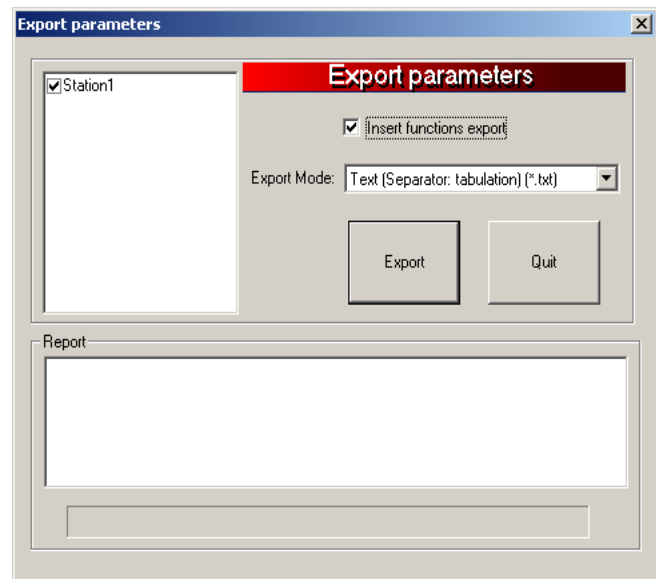
### 1.5.1. Exportation

This menu allows saving manually in "TXT" or "CSV" file format the test parameters of all the measurements heads.

The "TXT" or "CSV" file are compatibles with **Microsoft Excel**© and can be imported under this software to be treated.

This function can be hold in the "**Network / Exporting parameters**" menu or with the keyboard shortcut "**Ctrl + E**".

- To make the parameters exportation manually call the "**Network/Exporting parameters**" menu or the keyboard shortcut "**Ctrl + E**" the following window appears:
- In the instrument windows, select the instruments to export.

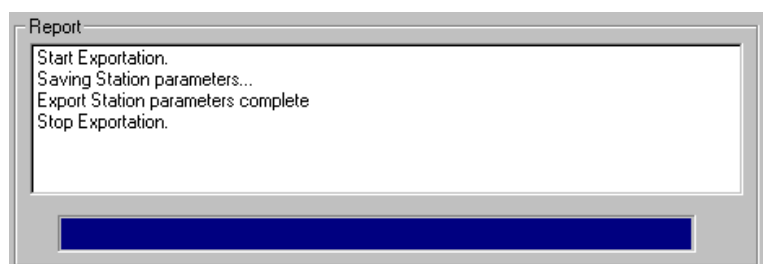
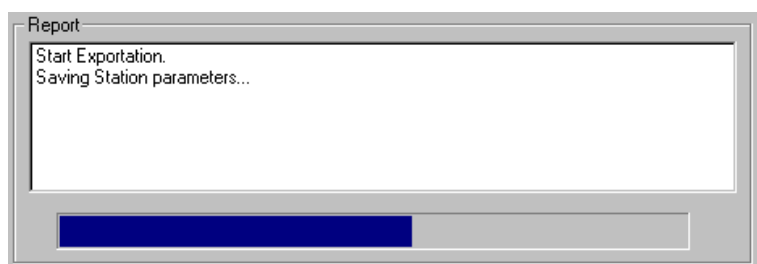


- The validation of the  **Insert functions export** box adds in the export file the validated functions of the test parameters.

- Choose in the list, the exportation format **Export Mode: Text (Separator: tabulation) (\*.txt)** or **Export Mode: CSV (Separator: comma) (\*.csv)** then click on the "**Export**" button

During the exportation a report is displayed and a bar graph indicates the progress report of the exportation.

A message is displayed to indicate the complete exportation.



The files are exported and can be read from the following directories:

**C:\Program Files\ATEQ\Winateq\Parameter\18Feb2004\11h54mn51s\Station.txt** for the **TXT** file format or:

**C:\Program Files\ATEQ\Winateq\Parameter\18Feb2004\11h29mn44s\Station.csv** for the **CSV** file format.

**Note:** the directories 18Feb2004, 11h54mn51s are created at each save, this allowing to easily found the save history. The last save is recorded in the "**Last**" directory.

### 1.5.2. Examples of exportation files


TXT Format		CSV Format
Pr:01+ LEAK TEST		Pr:01+ LEAK TEST
TYPE	LEAK TEST	TYPE;LEAK TEST
AUTO SETUP	OFF	AUTO SETUP;OFF
COUPLING A	00.0 s	COUPLING A;00.0 s
FILL TIME	01.0 s	FILL TIME;01.0 s
STABILISATION TIME	01.0 s	STABILISATION TIME;01.0 s
TEST TIME	01.0 s	TEST TIME;01.0 s
DUMP TIME	00.5 s	DUMP TIME;00.5 s
INTER-CYCLE	00.5 s	INTER-CYCLE;00.5 s
PRESSURE UNIT	bar	PRESSURE UNIT;bar
MAX FILL	0.500 bar	MAX FILL; 0.500 bar
MIN FILL	0.300 bar	MIN FILL; 0.300 bar
SET FILL PRESSURE	0.000 bar	SET FILL PRESSURE; 0.000 bar
LEAK UNIT	Pa	LEAK UNIT;Pa
TEST FAIL	050 Pa	TEST FAIL; 050 Pa
REF. FAIL	050 Pa	REF. FAIL; 050 Pa

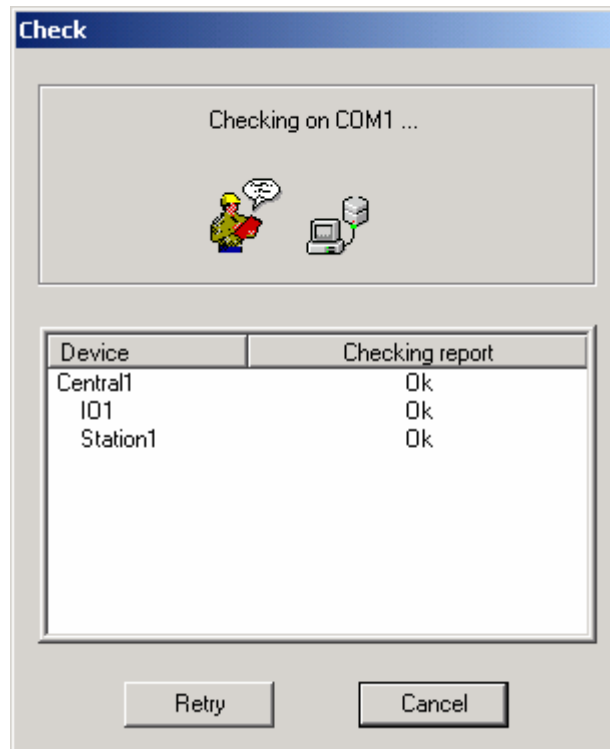
**Note:** the "**CSV**" format allows a direct opening under **Microsoft Excel**©.

In "**Automatic Exportation**" mode ("**WINATEQ properties**" menu) the "**TXT**" files and "**CSV**" files are automatically up dated after each closing of the "**Parameters**" window.

## 2. NETWORK CHECK

At any moment, it is possible to carry out network verification. This verification allows checking the correct communication and connection of all the components in the network.

- To carry out the check, press on the  button, the following window appears:



In the "**Checking report**" column opposite each element the message "**Ok**" should appear, if not, the message "**Disconnected**" appears. In that case, check the communication line to the defective element.

## 3. ACTIVATION / SHUTDOWN OF THE NETWORK

The shutting down of the network is a function which is accessible in the "**Network / Stop Network**" menu or with the keyboard shortcut "**Ctrl + A**".

The activation of the network is a function which is accessible in the "**Network / Run Network**" menu or with the keyboard shortcut "**Ctrl + A**".

Either one or the other function is displayed depending on the status.

This function allows the authorization or the stopping the communications between the **WINATEQ** software and the connected instruments.

## Chapter 5

# DISPLAY OF THE WINDOWS

### 1. PRESENTATION OF THE DISPLAYS


The different display windows are managed through the "View" icon or in the view menu.

The components to be displayed must be selected before. Then, choose the windows to be displayed.

Depending on the selected component the display options are different.


#### 1.1. NETWORK DISPLAY

When this function is validated, the display of the instruments (network) tree is active.

To activate or deactivate the function, press on the  button, the window then appears or disappears.

#### 1.2. REMOTE CONTROL DISPLAY

The remote control allows the individual control of the measurement instruments.

- The display of the remote control is activated with the  button.
- Next, the measurement instrument to be controlled must be selected in the network tree.

The remote control behaves identically to a measurement instrument front panel. It is therefore possible to access and modify the parameters (depending on the user rights, if the access is limited, the key does not appear).



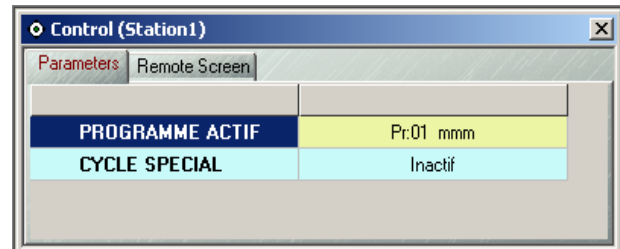
**Note:** to configure the instrument through the remote control, refer to the instrument user manual.

## 2. VIEW OF THE ELEMENTS


### 2.1. CENTRAL

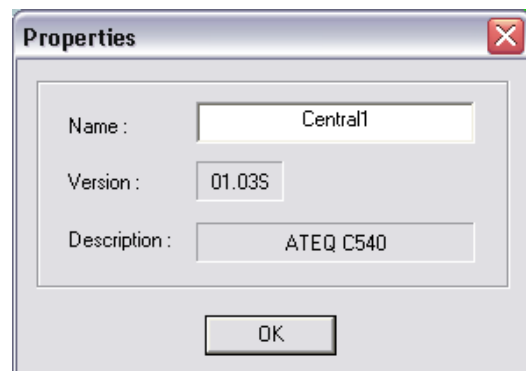
If the central is selected, the **"Control"** and **"Properties"** windows are accessible.

The picture opposite shows the **"Control"** window:




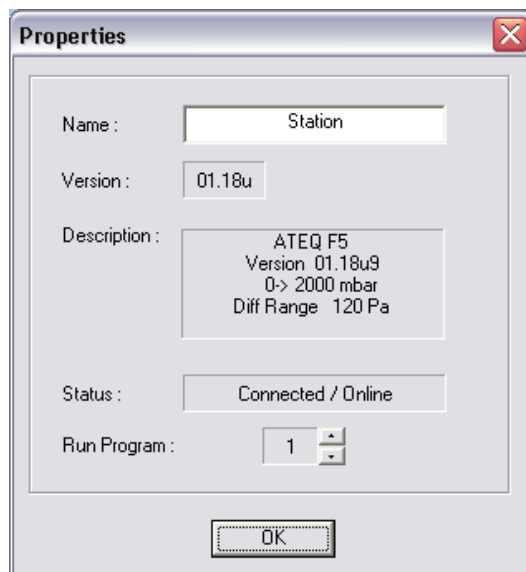
The opposite picture represents the **"Properties"** window for a central.

To display the properties, press on the  icon. The function is also in the **"View / Properties"** menu.




The picture opposite represents the **"Properties"** window for one head.

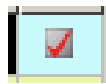
To display the properties, press on the  icon. The function is also in the **"View / Properties"** menu.



**Note:** to display the properties for one head click on the same icon after having select the head.

#### 2.1.1. Detail of the central's "Control" window

The **"Control"** window is displayed by pressing on the  button after having selected the central in the instruments tree. The function is in the **"View / Control"** menu or with the **"F10"** key.



- ✓ Cycle start and reset buttons for the selected heads.
- ✓ Instrument validation button, the Cycle start and Reset buttons are active on the selected heads.
- ✓ Single line display of the instrument, displays the state of the cycle, the measurement results and the pressure in case of regulator adjustment.

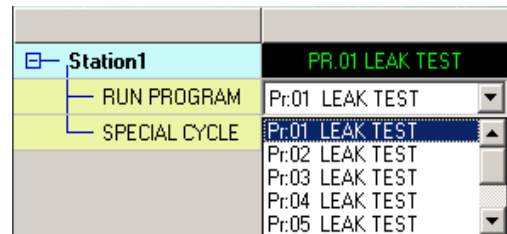
Station1	PR.01 LEAK TEST	<input checked="" type="checkbox"/>
RUN PROGRAM	Pr:01 LEAK TEST	
SPECIAL CYCLE	none	

- ✓ When this tree is unfolded (by pressing on the ) we see the active program, and the special cycle when selected.

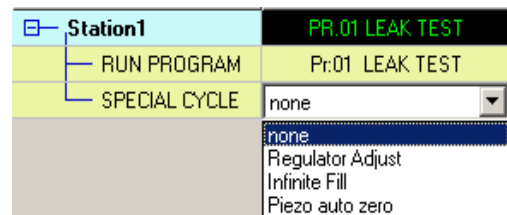
Depending on the function and the user rights, it is possible to choose the active program and the special cycle to start in this window.

- Press with the mouse pointer on the corresponding line.
- A list is displayed.
- Select the desired line.

(Choice of the active program).




(Choice of the active special cycle).



## 2.2. MEASUREMENT HEADS

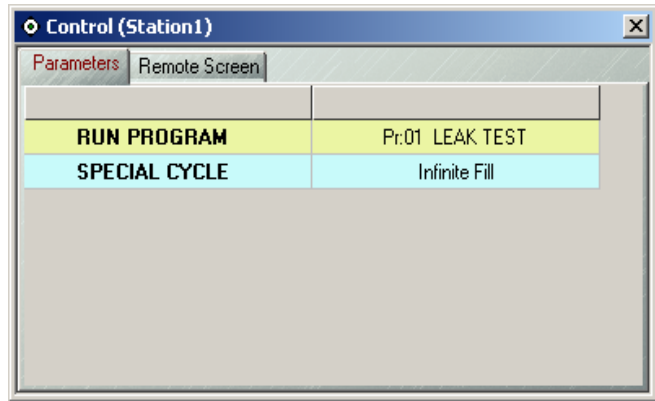
### 2.2.1. Detail of the "Control" window of the measurement heads

The following examples are for leak measurement instruments, for more information, refer to the instrument user manual.

The "Control" window is displayed by clicking on the  button after having selected a measurement head in the tree. The function is in the "View / Control" menu or with the "F10" function key or through double clicking on the component name in the tree.

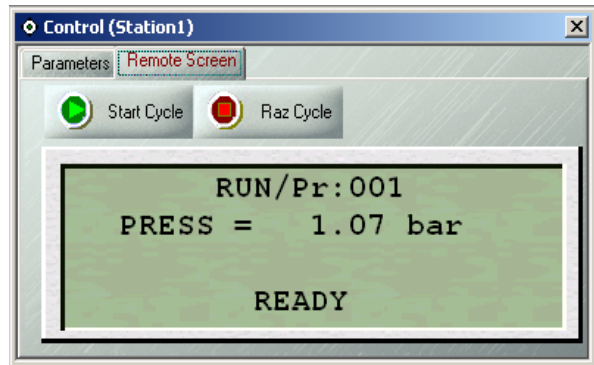
From this window, two types of display are possible:

Display of the "Parameters" tab where the active program and the special cycle are displayed and can be changed (depending on the user rights).




In this window, to change active program or special cycle, use the mouse to validate the program and select the desired program when the list is displayed.

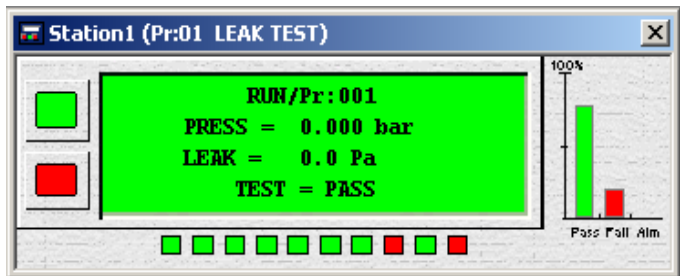
Display of the "Remote screen" tab: in this window the four lines screen type and the Start and Reset buttons appear.



### 2.2.2. Measurement instrument supervision

The "Supervision" window is displayed by pressing on the  button after having selected a measurement instrument in the tree. The function is in the "View / Supervision" menu or through the "F7" key.

This window displays the measurement results.




The background color is lighting as well as the results value: green for "OK", red for "Fail" and orange for "Alarm".

On the left side, there's two buttons, green for start cycle and the red for reset. The lights on the lower part indicate the results (OK or fail) of the ten last measurements carried out.

On the right side of the window, a diagram displays the statistics of the measurements since the opening of the supervision window; it allows having a quick statistic view of the good, fail parts and alarms.


In the title of this window, appears the station name, with between brackets the number and the name of the run program.

Pressing on the "Auto" button  displays the supervision screens of all the connected instruments.

**Note:** the closing of the supervision window reset all the current results and statistics.



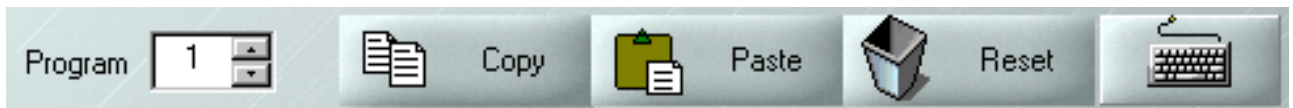
### 2.3. EDITING OF THE INSTRUMENT PARAMETERS

To display the "Parameters" window, press on the  button after selected an instrument in the tree. This function is in the "View / Parameters" menu, through the "F8" key or by double clicks on the component in the tree.

From these windows, depending the user rights, it's possible to modify the test program parameters for a measurement head.

**Reminder:** WINATEQ can manage until 128 tests parameters programs, following the connected instrument configuration.

#### 2.3.1. Upper task-bar



Number of the active program where the parameters are edited.

Buttons for the "Clipboard", to transfer data from a program to another one.

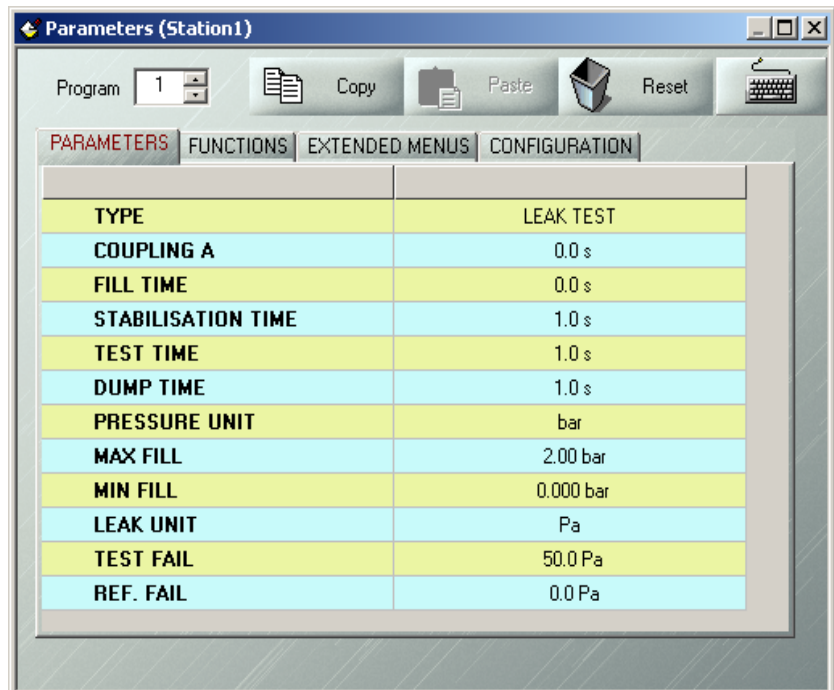
This button resets all the parameters of the current program.

Keyboard edition button

#### 2.3.2. "Parameters" tab

In this tab, all the test parameters of the selected head can be edited.

Select the parameter to editing, entering the new data using the keyboard and validate.




**Note:** to edit the parameters with the keyboard, select the parameter to modify and press the "Enter" key, then, type in the new value and press the "Enter" key to validate.


### 2.3.3. "Functions" tab

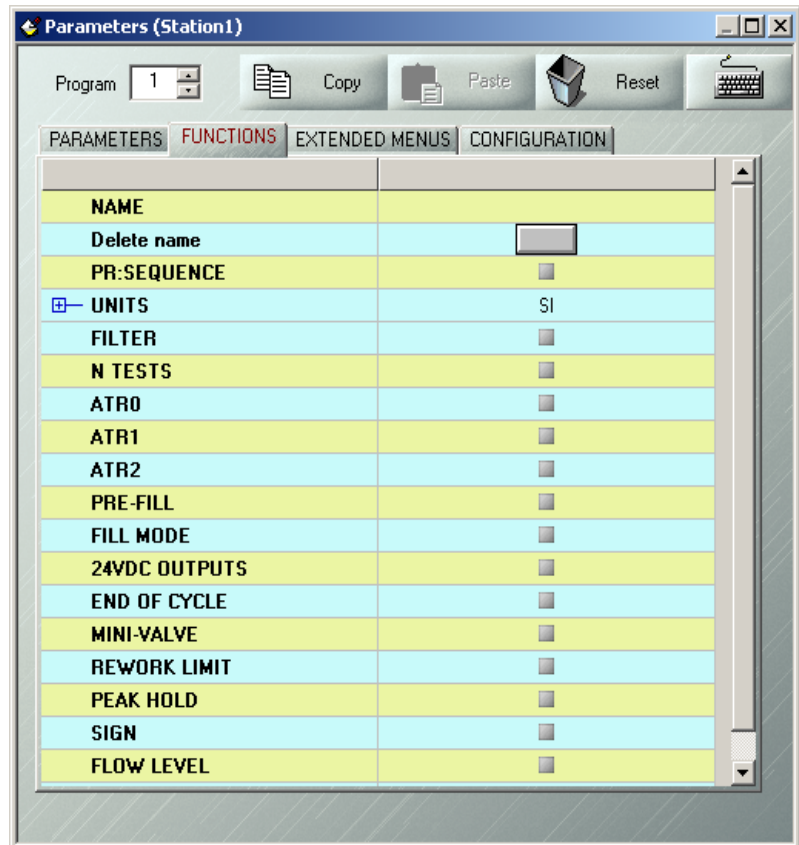
In this tab all the available functions for a selected instrument can be edited.

Click on the box to validate or invalidate it.

 The function is validated.

 The function is not validated.


When a function has several options, the  sign is present; to make it appear, click on it.




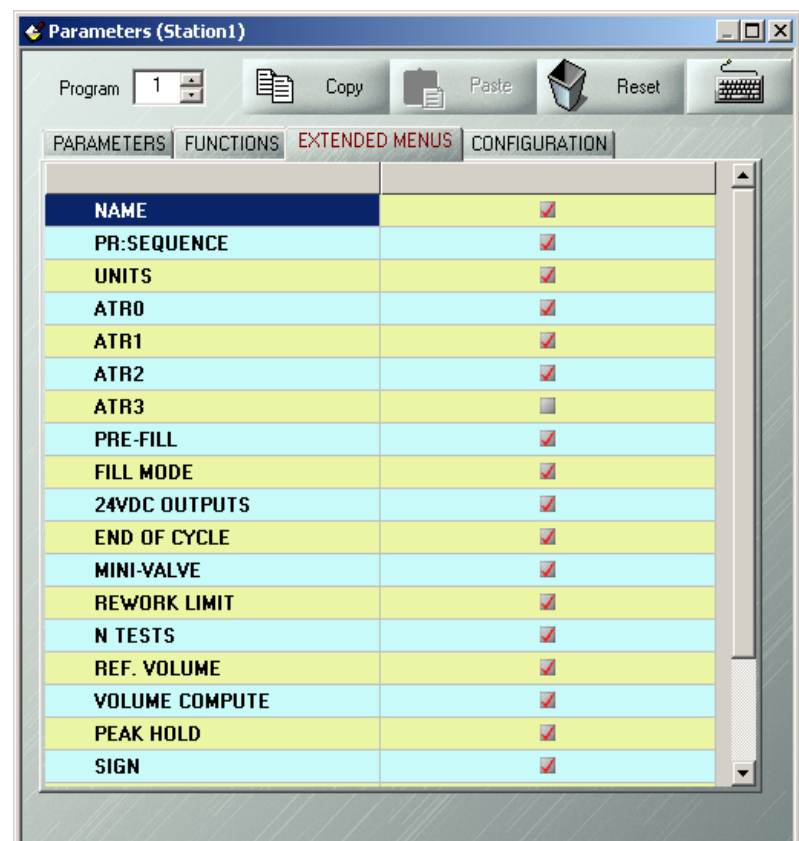
### 2.3.4. "Extended menus" tab

In this tab, all the extended menus available for an instrument can be edited.

Click on the box to validate or invalidate it.

 The extended menu is validated.


 The extended menu is not validated.





### 2.3.5. "Configuration" tab

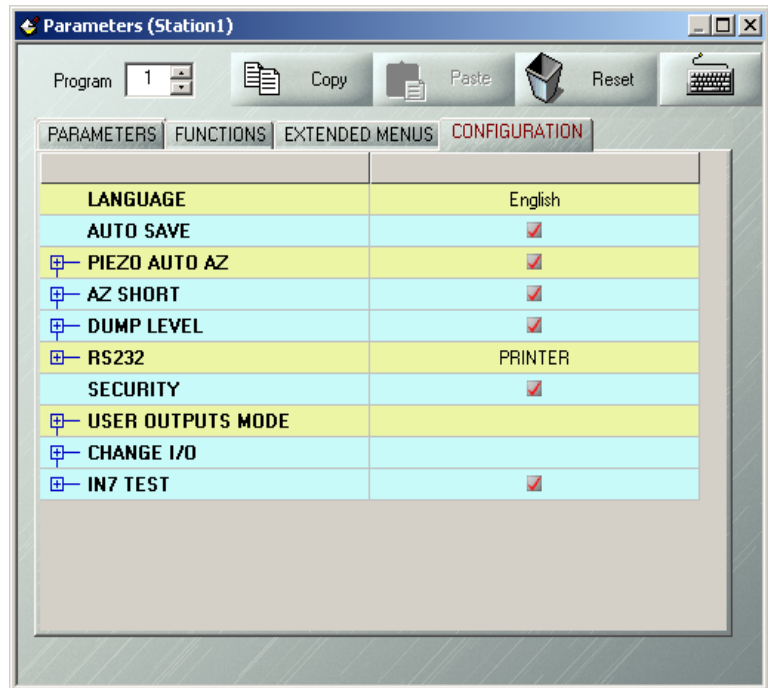
In this tab all the configuration parameters for a selected instrument can be edited.


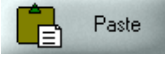
Click on the box to validate or invalidate it or in the field to editing the parameter.

When a configuration has a  sign present in front of it, validate it to make the sub options appear.


 The configuration is validated.

 The configuration is not validated.



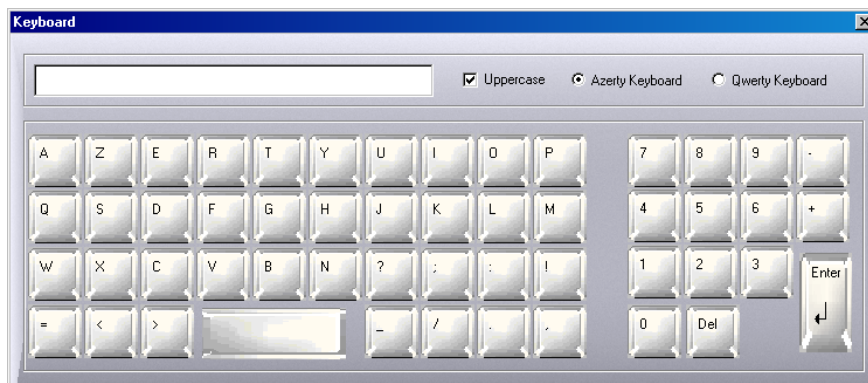
In the previous windows, the  button allows copying parameters and functions displayed in the window of the program, then paste  them in another program.

### 2.3.6. Keyboard edition

By pressing the "Keyboard"  button, the keyboard edition option is activated and then at each parameters capture, an alphanumerical or numerical keyboard appears on the screen to make capture values easier.

The alphanumerical keyboard appears if the waited data is alphanumerical (example: name of program) and the numerical keyboard appears if the parameter is only numerical (example: test time).


Alphanumerical keyboard :



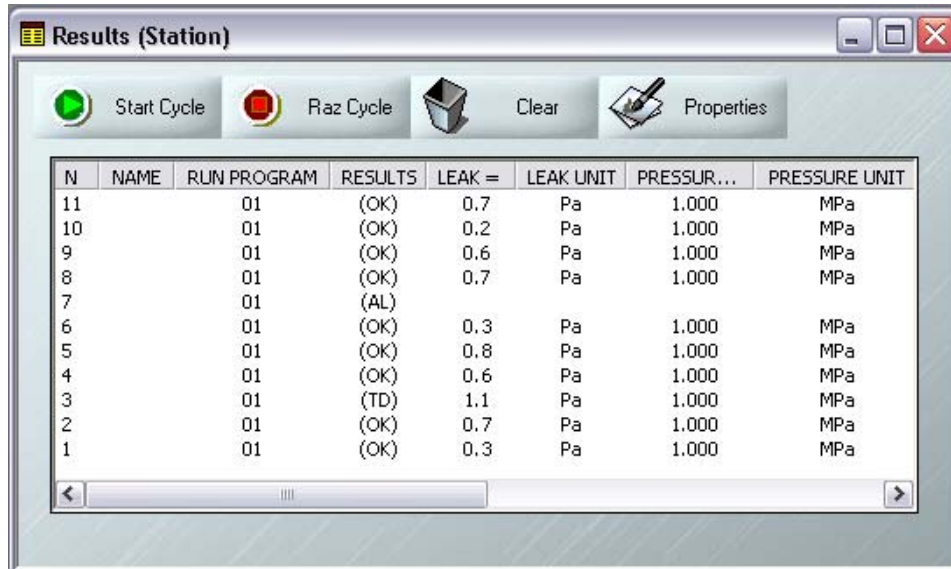
Numerical keyboard :



## 2.4. EDITING THE RESULTS TABLE

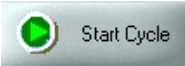
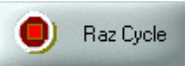
The **"Results"** window appears by clicking on the  button after having selected a head in the tree. The function is in the **"View / Results"** menu or with the **"F9"** key.


The following window appears:

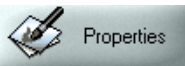


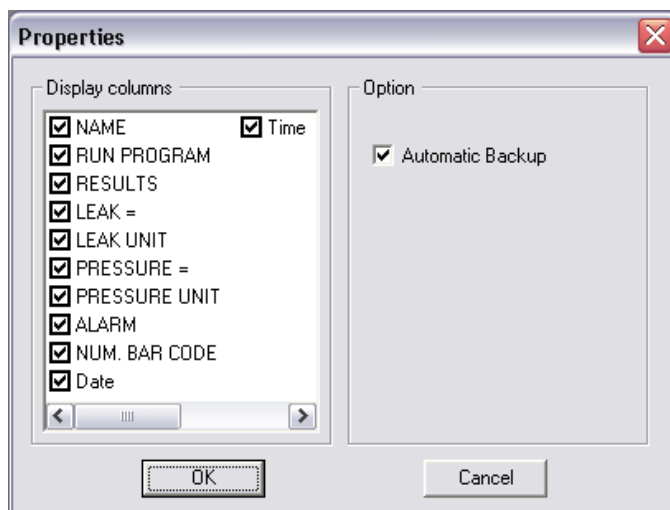
N	NAME	RUN PROGRAM	RESULTS	LEAK =	LEAK UNIT	PRESSUR...	PRESSURE UNIT
11		01	(OK)	0.7	Pa	1.000	MPa
10		01	(OK)	0.2	Pa	1.000	MPa
9		01	(OK)	0.6	Pa	1.000	MPa
8		01	(OK)	0.7	Pa	1.000	MPa
7		01	(AL)				
6		01	(OK)	0.3	Pa	1.000	MPa
5		01	(OK)	0.8	Pa	1.000	MPa
4		01	(OK)	0.6	Pa	1.000	MPa
3		01	(TD)	1.1	Pa	1.000	MPa
2		01	(OK)	0.7	Pa	1.000	MPa
1		01	(OK)	0.3	Pa	1.000	MPa

In this window, the latest measurement results are displayed.

The   buttons carries out start cycle and reset of the current head.

To delete the results and reset the table, press on the  button.

Pressing on the  button displays the **"Properties"** window for the results, it allows the user to choose the data (columns) which will be displayed in the results table.



**Properties**

Display columns

- NAME
- RUN PROGRAM
- RESULTS
- LEAK =
- LEAK UNIT
- PRESSURE =
- PRESSURE UNIT
- ALARM
- NUM. BAR CODE
- Date

Option

- Automatic Backup

OK Cancel

The option **"Automatic Backup"** allows the backup automatic save of the results.

This function is validated by default.

When validated, **WINATEQ** creates a results file in TXT format for each day.

The filename is in the format: *Stationname-date.txt*, and is compatible with **Microsoft Excel**®.

Filename example:


**Station1-15sept2002.txt**

These files are saved on the disk under the following path:

**C:\ateq\winateq\results\[file name].txt**

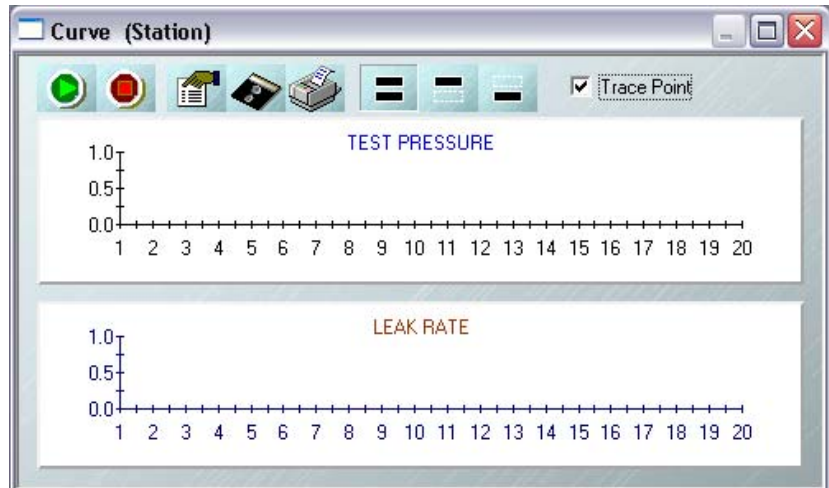
## 2.5. MEASUREMENT CURVES

### 2.5.1. Curve display

The display of the curves windows can be done by pressing on the  button after having selected the instrument in the tree. This function is in the "View / Curves" menu or with the "F11" key.

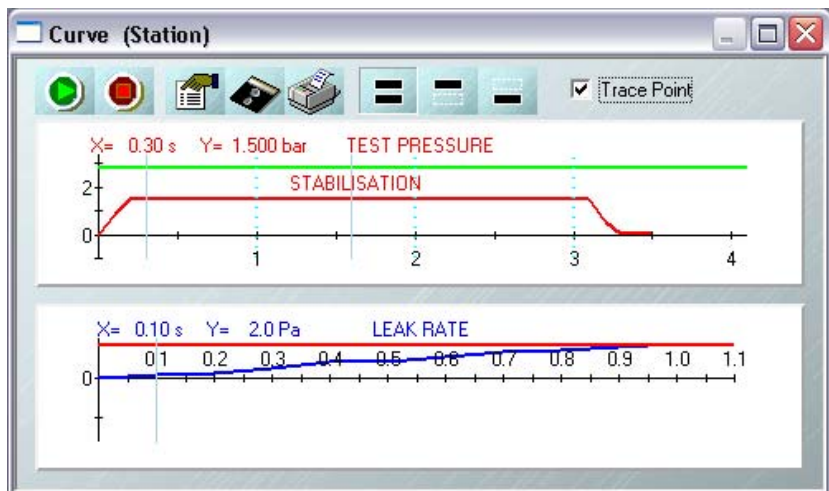
The opposite window appears:

This window displays the measurements curves in live of the two sensors, absolute (test pressure) and differential (leak rate).

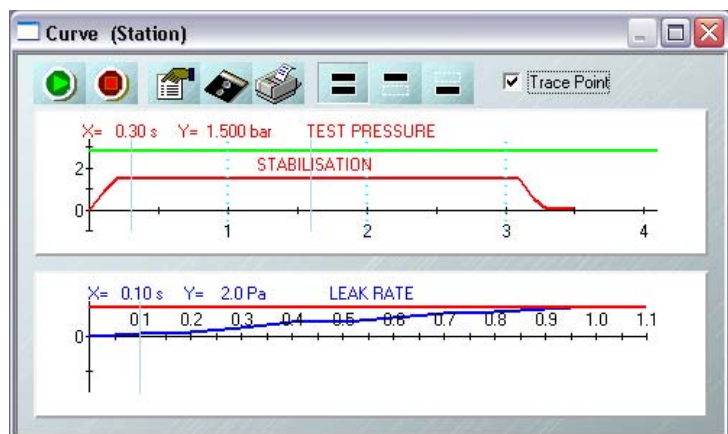


Example of the pressure sensor curve and the differential sensor curve:

Trace Point The "Trace Point" when validate displays a vertical line and the cycle steps.

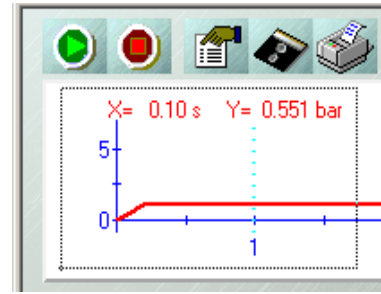


When the mouse pointer is flying over the curve, the name of the step is displayed.

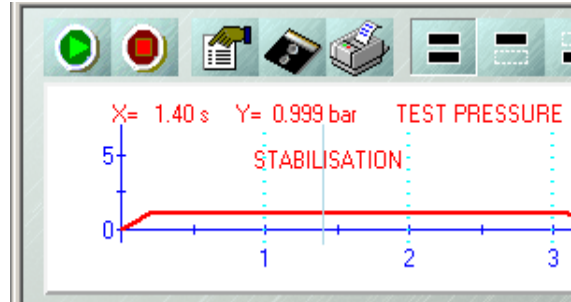


Curves zoom: by using the mouse pointer, frame the area of the curve you wish to magnify, to increase the level of detail for a certain part of the measurement (example: to detect errors).

To cancel the zoom, click on the white part of the curve window.

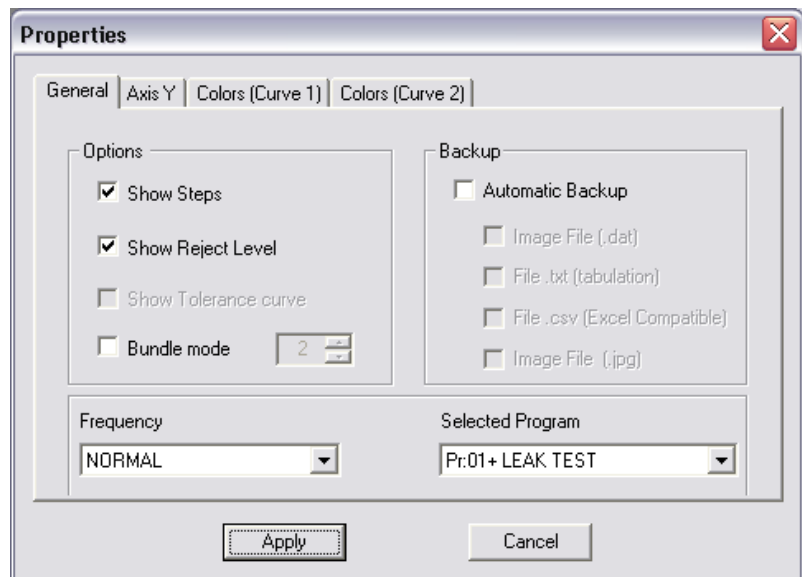


In the curve detail display, the mouse pointer moves a vertical line; the X and Y coordinates of the intersection point between this line and the curve are displayed in the upper left hand corner of the window, in the opposite example the value of the pressure (Y) and the time position (X).



## 2.5.2. Curves properties

The "Properties" button opens to the curve configuration menu.



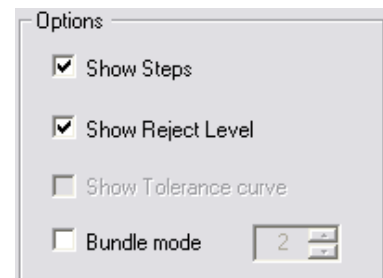
### 2.5.2. 1) "General" tab

The general options allow parameterize the curves display conditions.

**Show steps:** when validated, the verticals lines for the steps limits are displayed.

**Show Rejects level:** when validated, the reject limits lines are displayed.

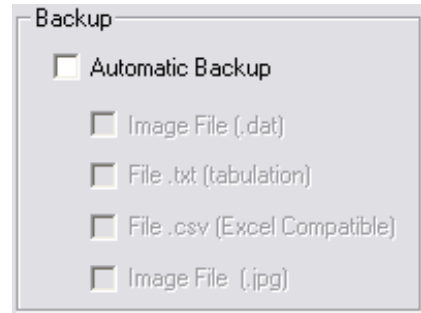
**Bundle mode:** this mode allows when validated displaying the parameterized number of curves the ones on the others. When the number of curves is reached, they are erased and the new ones are displayed.



The backup option allows choosing the backup type and the files format.

**Automatic Save:** if this option is validated, all the curves will be automatically saved following the chosen files formats.

For the files formats, see the paragraph "**Files formats**".

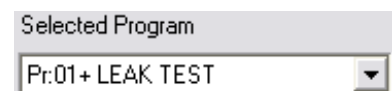


The option "**Acquisition Frequency**" allows choosing the acquisition speed of the measurements points.

Choice among: "**Normal**", "**Mean**", "**Quick**" or "**Turbo**", following the acquisition type, the measurements points number is higher or less (the file size too).



The option "**Selected Program**" allows selecting the displayed program in the curve (that could be different than the current program of the selected head).

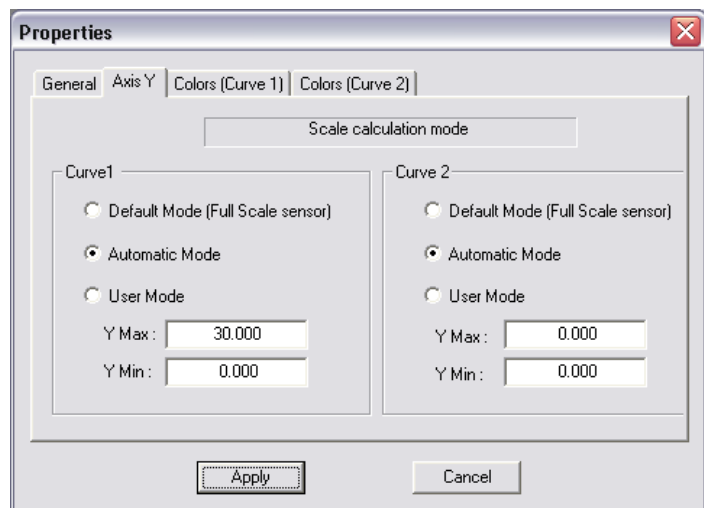


### 2.5.3. "Axis Y" tab

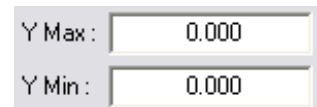
This tab allows configuring display modes for the Y axis for each curve following the user preferences.

**Default Mode (Full scale sensor):** The Y axis represents the sensor full scale. Useful to see the curve amplitude relative to the sensor.

**Automatic Mode:** the Y axis scale is automatically adjusted to the curve amplitude. Useful to see the figure of the curve.

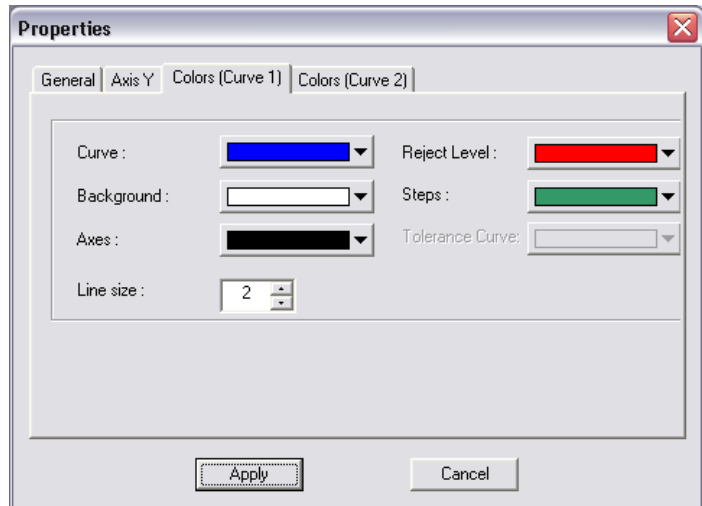


**User Mode:** the Y axis scale is displayed between the two parameters **Y Max** and **Y Min** chosen by the user.



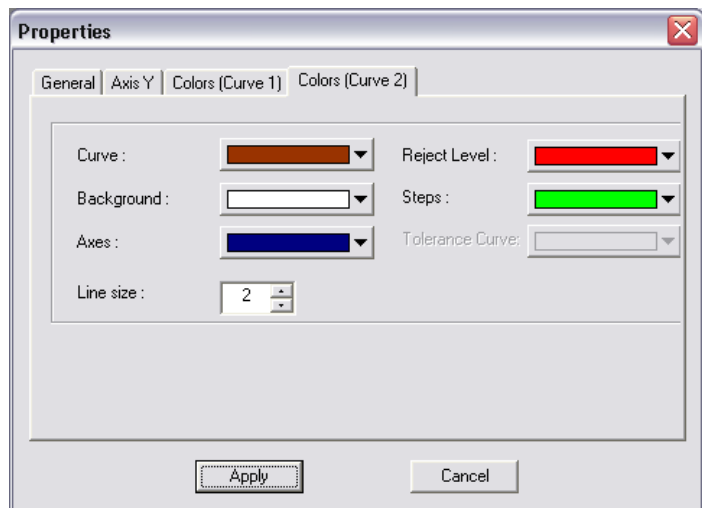
### 2.5.4. "Curve 1" tab

This menu is configuring the displayed colors of the curve 1 (upper), axis, rejecting levels, etc. The lines sizes can be configured in the "**Line size**" fields.




### 2.5.5. "Curve 2 tab

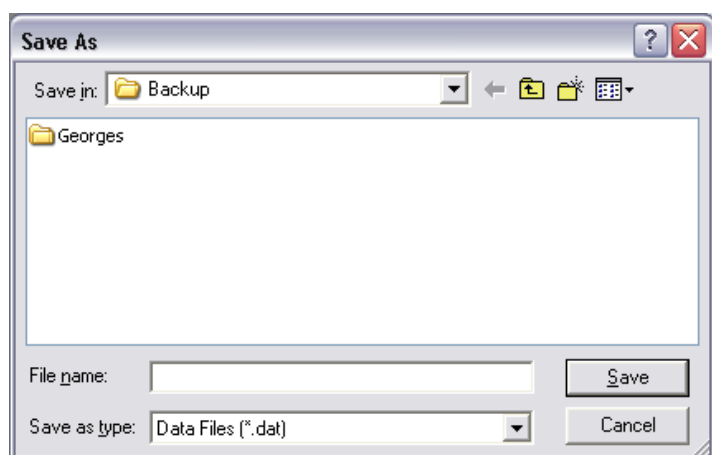
This menu is configuring the displayed colors of the curve 2 (lower), axis, rejecting levels, etc. The lines sizes can be configured in the "**Line size**" fields.



### 2.5.6. Save the curves

The button  is saving the current curve under a file name.

These files are saved in the following folder:



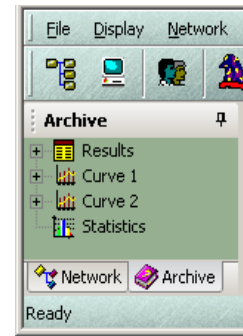
**C:\Program Files\ATEQ\Winateq\CurveX\JJMMMAAAA\[Filename].dat**

That you can modify.

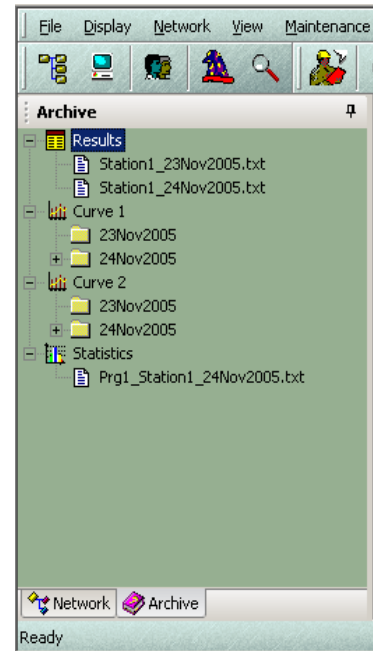


### 2.5.7. Results restore

To display the saved files, you have to select the "Archives" tab:

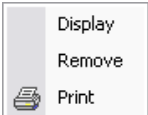


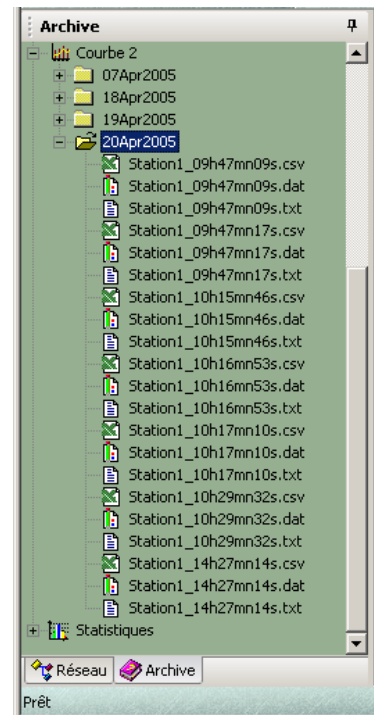
Four under menus appears, "Results", "Curve1", "Curve2" and "Statistics" by double click on one of these under menu (or by click on the +) all the archives under folders or the saved files are displayed, they are containing all the saves, by automatic or manual modes.



Open the hoped folder to see the archived files, to display the files, make a double click on the file or make it slip towards the window on the right hand side.

The management of these files is made by the right click on the mouse after having select the file, the little contextual

menu  allows to **Display**, **Remove** or **Print**.



### 2.5.8. Files formats

The different save files formats are the following ones:

**DAT files:** file format **WINATEQ** property, it can be opened only by this software.

**TXT files:** file format of simple text, with ASCII characters separated by tabulations, it can be opened by the "**Wordpad**" software or can be treated under **Microsoft excel**®.

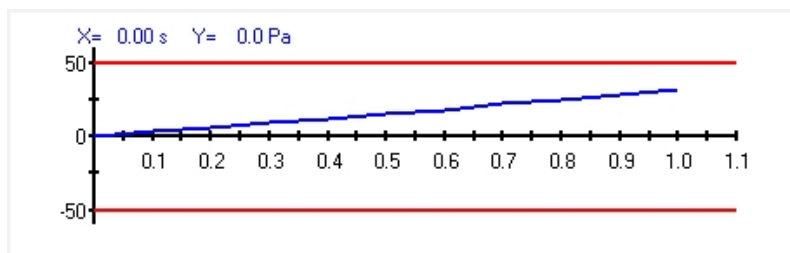
**CSV files:** file format of simple text, with ASCII characters separated by semicolon, it can be opened by the "**Wordpad**" software or can be treated under **Microsoft excel**® (more easily than the TXT files).

**JPG files:** pictures file format, it can be opened under different kinds of software who manage or view pictures or photos under the "**JPEG**" format (extremely well known compression format for pictures files or photos "**Joint Photographic Expert Group**").


<u>Example of a TXT file</u>			<u>Example of a CSV file</u>
Time (s);	Value (bar)	Step	Time (s);Value (bar);Step
0.000000	0.000000	FILL	0.000000;0.000000;FILL
0.100000	0.698063	FILL	0.200000;0.400000;FILL
0.200000	0.990938	FILL	0.400000;0.398000;FILL
0.300000	0.993000	FILL	0.600000;0.399000;FILL
0.400000	0.995063	FILL	0.800000;0.398000;FILL
0.500000	0.995063	STABILIZATION	1.000000;0.398000;STABILIZATION
0.600000	0.995063	STABILIZATION	1.200000;0.398000;STABILIZATION
0.700000	0.995063	STABILIZATION	1.400000;0.398000;STABILIZATION
0.800000	0.995063	STABILIZATION	1.600000;0.398000;STABILIZATION
0.900000	0.995063	STABILIZATION	1.800000;0.398000;STABILIZATION
1.000000	0.995063	TEST	2.000000;0.398000;TEST
1.100000	0.995063	TEST	2.200000;0.398000;TEST
1.200000	0.995063	TEST	2.400000;0.398000;TEST
1.300000	0.995063	TEST	2.600000;0.398000;TEST
1.400000	0.995063	TEST	2.800000;0.398000;TEST
1.500000	0.995063	DUMP	3.000000;0.398000;DUMP
1.600000	0.338063	DUMP	3.200000;0.001000;DUMP
1.700000	0.000000	DUMP	3.400000;0.000000;DUMP
			3.600000;0.000000;DUMP
			3.800000;0.000000;DUMP
			4.000000;0.000000;DUMP

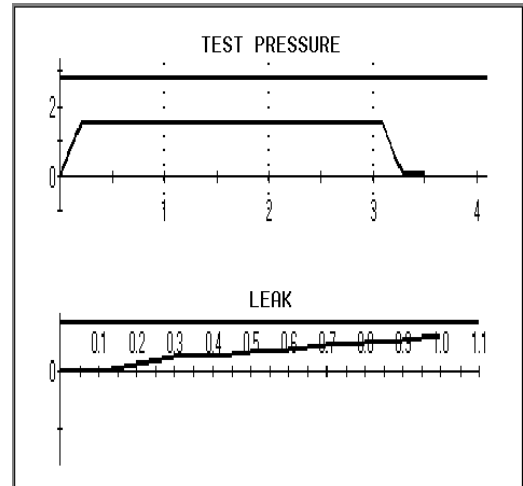
The TXT and CSV files are compatible with **Microsoft Excel**® and can be imported under this software for treatment.

Example for the output of a JPG file:





### 2.5.9. Curves printing

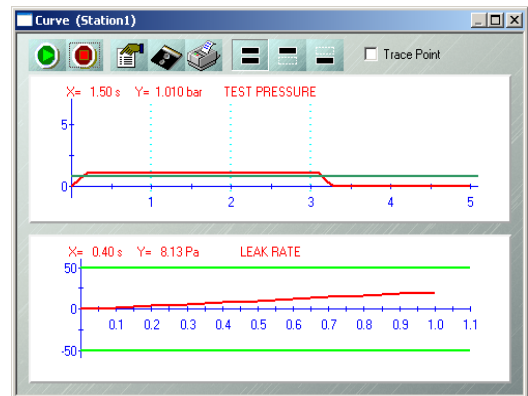
The  button launches a print of the current curves on the default printer. See on the opposite an print example:




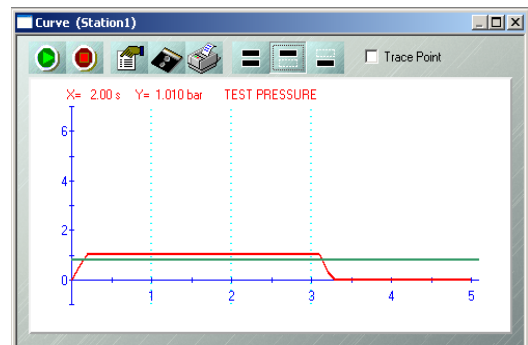
### 2.5.10. Curves displaying


The  buttons allows the selection of the curves to be displayed:

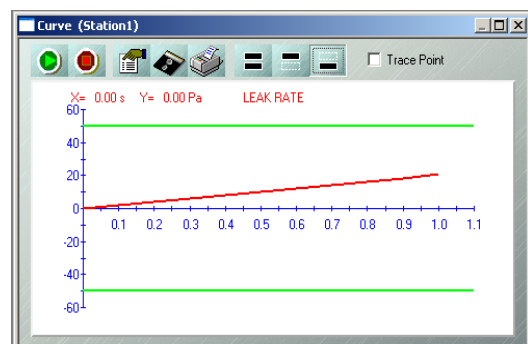
 Button: the two sensors curves, absolute and differential pressure are displayed.



 Button: only the curve (upper curve) of the absolute sensor is displayed on the entire window.




 Button: only the differential pressure sensor curve (lower curve) is displayed on the entire window.

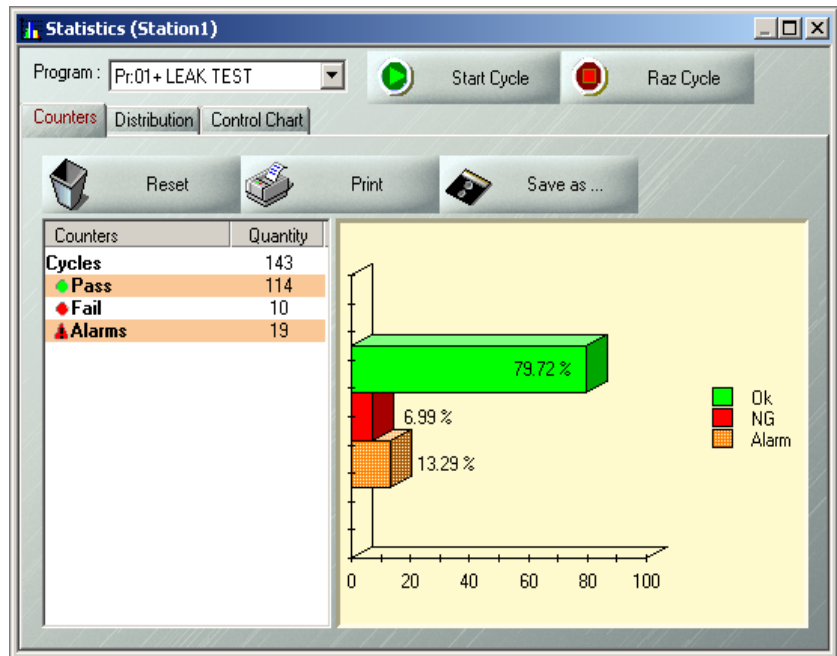


## 2.6. STATISTICS

The Winateq statistic part allows doing a quick and precise analysis of the measurement done by the connected instruments.

### 2.6.1. "Counters" tab

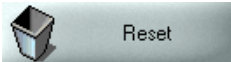
The access to these analysis is doing by pressing on the  button, the opposite window appears:

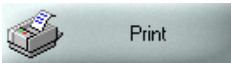


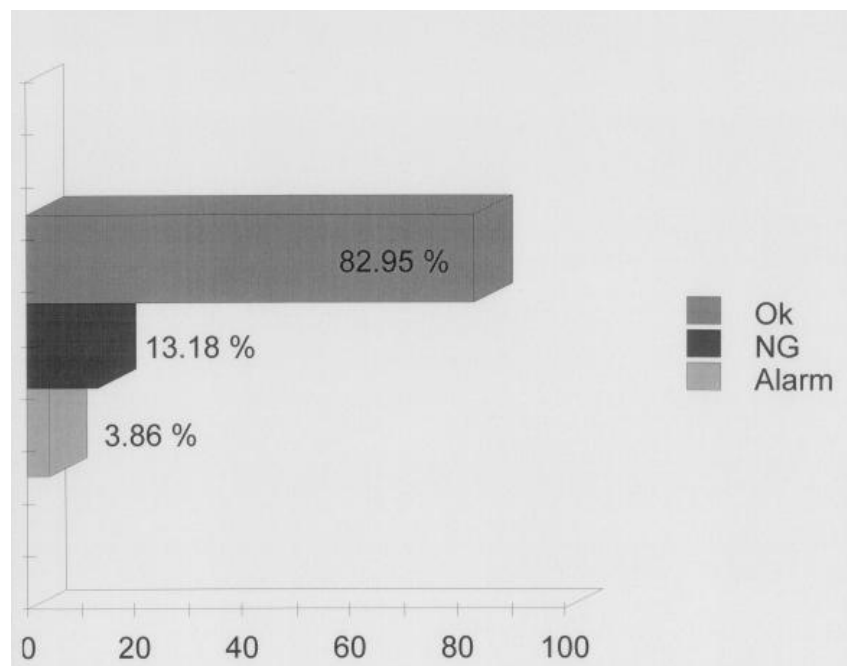
On the "Counter" tab are displayed the base data (left window) of the measurement for the selected program since the last reset.

For example: number of cycles, good part number, bad part number and alarms number.

The graphic (right window) represent the statistics data with the percents.

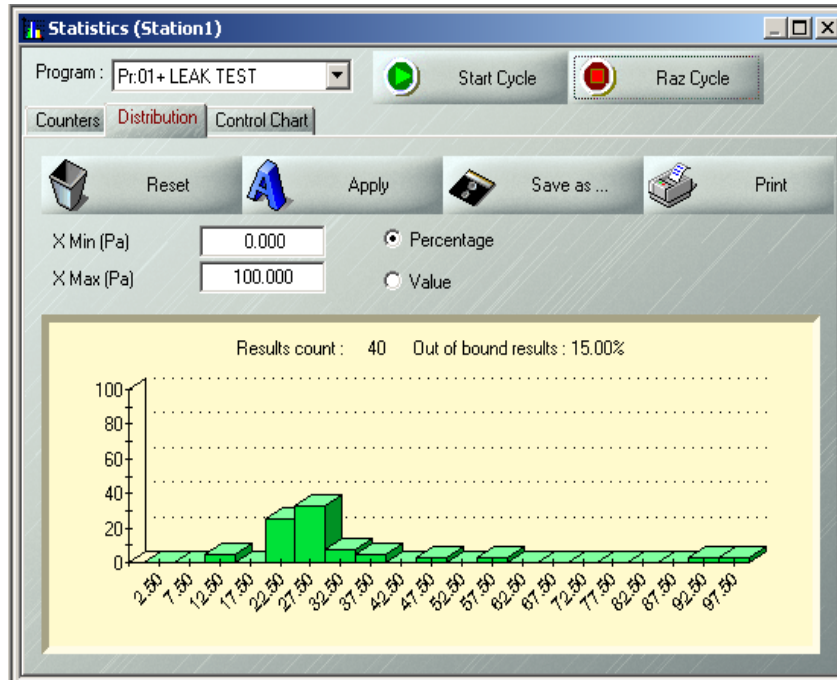
The **"Reset"**  button resets all the measurement and resets the statistics data base in the concerned program.

The **"Print"**  button launches a displayed graph print on the default printer. See the opposite example of print output:



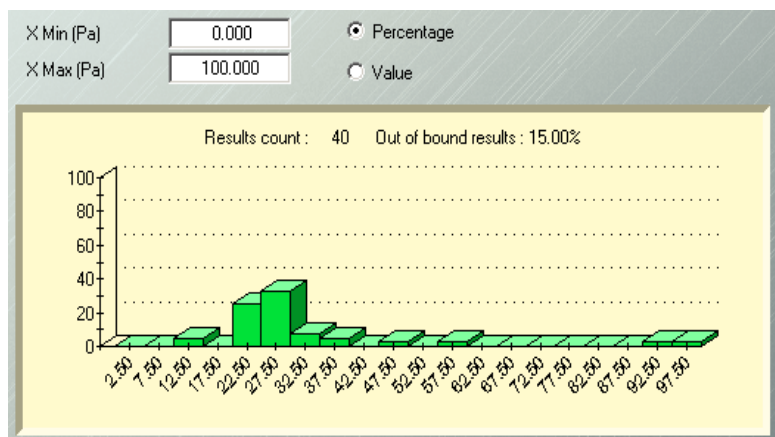
2.6.2. "Distribution" tab

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.

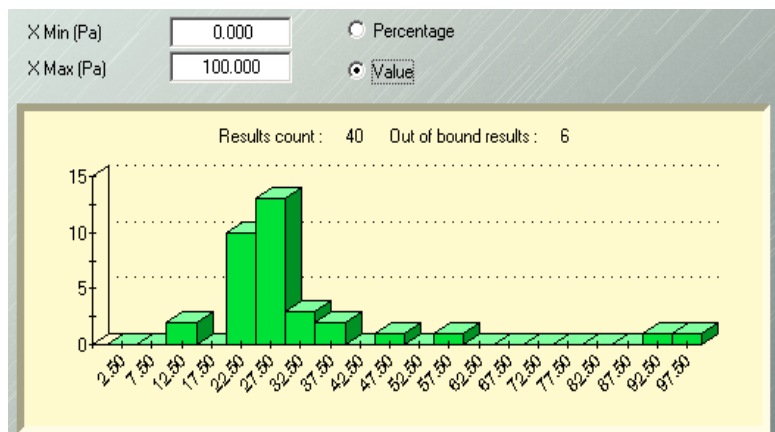


The display can be in percent of the total production or of the result value (for the selected program since the last reset).

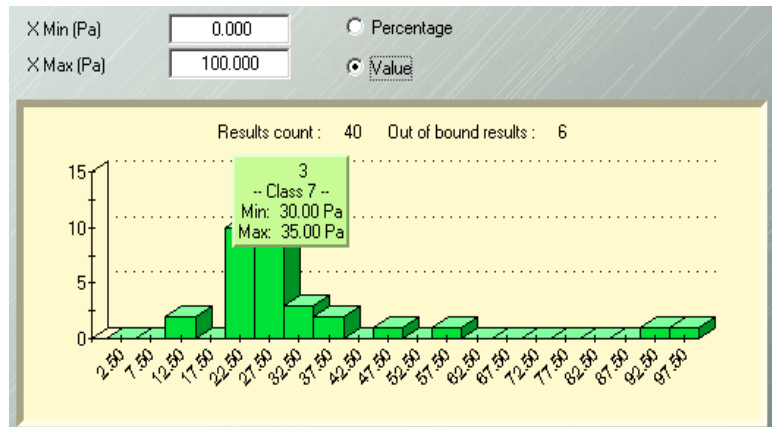
Example of statistics display in "Percentage":




Example of statistics display in "Value":



When mouse pointer is flying over the graphic element, a window appears to indicate the data of the element.





The statistics level can be changed to improve the analysis and only supervising a few parts of the wide contained between the levels.

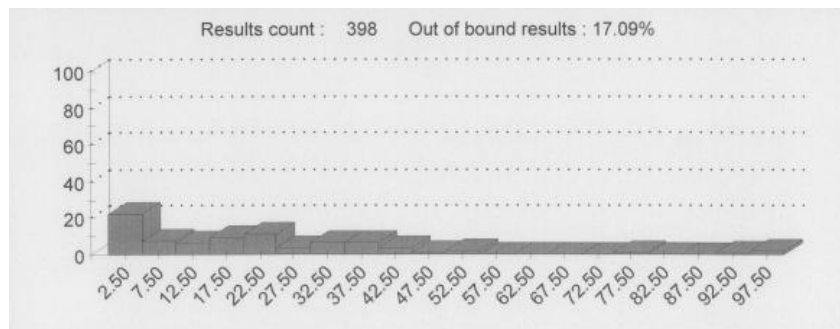
For that it must configure the minimum and maximum values in the fields "X Min (Pa)" et "X Max (Pa)" and validate by pressing the  Apply key.

The screenshot shows two input fields: 'X Min (Pa)' with the value 20.00 and 'X Max (Pa)' with the value 80.00.

**Note:** the validation on the  Apply key resets the distribution statistics of the concerned program (the size of each class is modified).

The  Reset button resets all the measurements and resets the statistics data base in the concerned program.

The  Print button launches a print on the default printer, of the displayed graphic. See the opposite printed example:

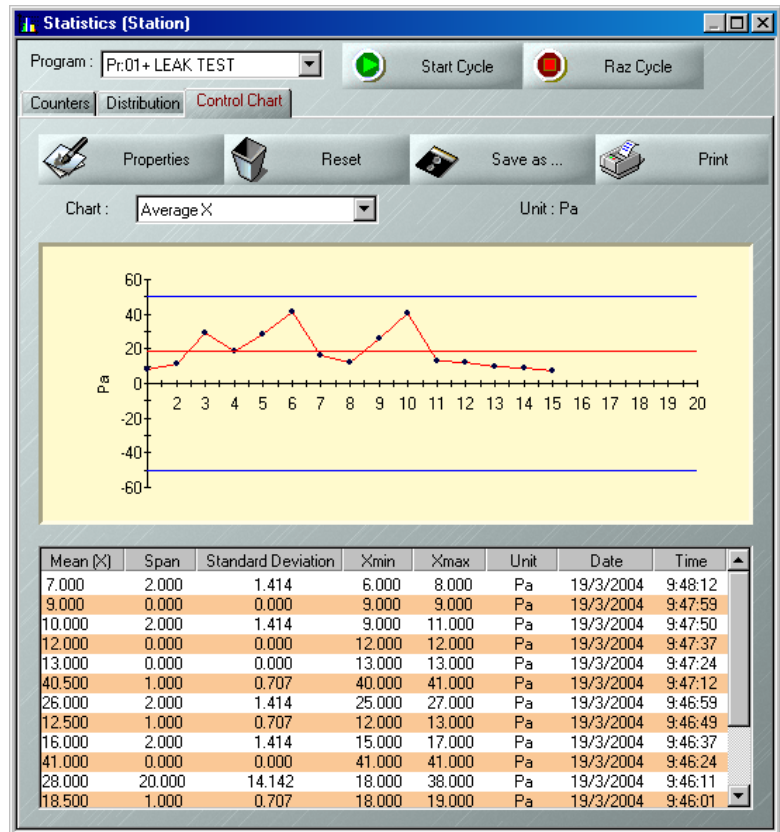
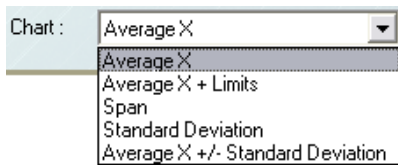


### 2.6.3. "Control Chart" tab

In this tab are displayed the different statistics analysis of the measurement cycles in the selected program.

The statistics calculations are displayed at the bottom of the window.

The graphic displayed is the chosen one in the "Chart" list:



In the bottom of the window are displayed the statistics data base. These data are configurable at the "Properties" button, the following window appears:

The 'Properties' dialog box contains the following settings:

- Sample Size: 5
- Sample Frequency: 1
- User Control limits
  - LSC: 100
  - LIC: 0
- Automatic Backup

Buttons: Apply, Cancel

Sample Size :  : This parameter is the measurement number contained in the sample, when the number of cycle is realized; **WINATEQ** will calculate the statistics data (mean, standard deviation etc.) from the size of this sample. Example: in the above case, the size of the sample is 5, so all the 5controlled parts, the statistics will be calculated.

Sample Frequency :  : This parameter, frequency sample, is the number of parts between two statistics analysis. Example: if this parameter is 0, all the measurements will be treated in the statistics, if this parameter is 4, then four measurements will be unaware between to samples.

This field when validated is giving controls limits (LSC superior and LIC inferior) where the results will be taking in account in the statistics analysis.

User Control limits

LSC :

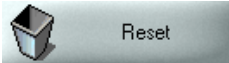
LIC :


Automatic Backup : To save automatically the statistics, these files will be saved with a name file like the following example:

**PrgX\_Station\_JJMMMAAAA.txt**

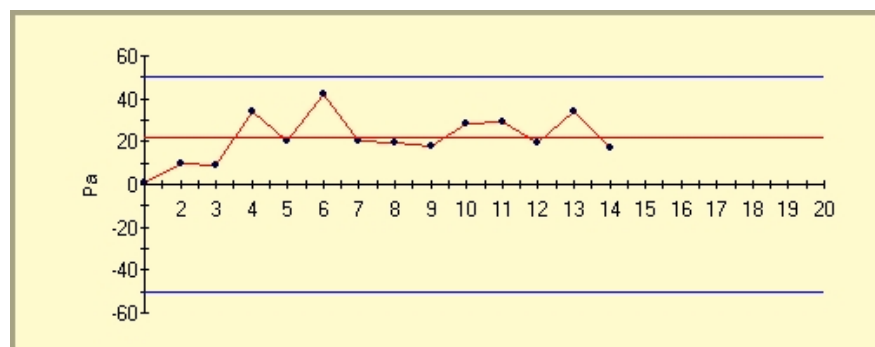
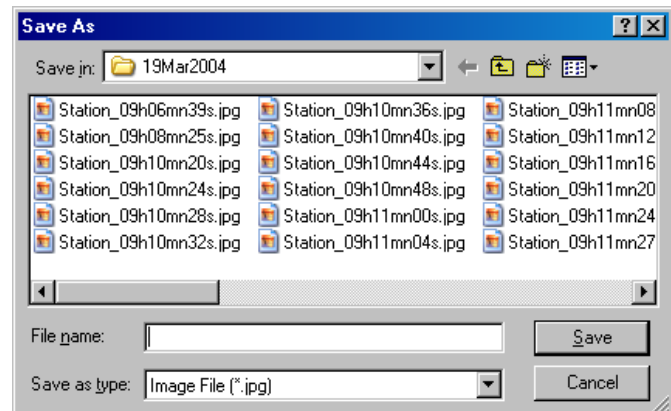
And in the directory:

**C:\Program Files\ATEQ\Winateq\Statistics\**

The  button resets all the measurements and resets the statistics data base in the concerned program.

The  button creates a picture of the current curve and saves in a JPG format file.


See the following example:

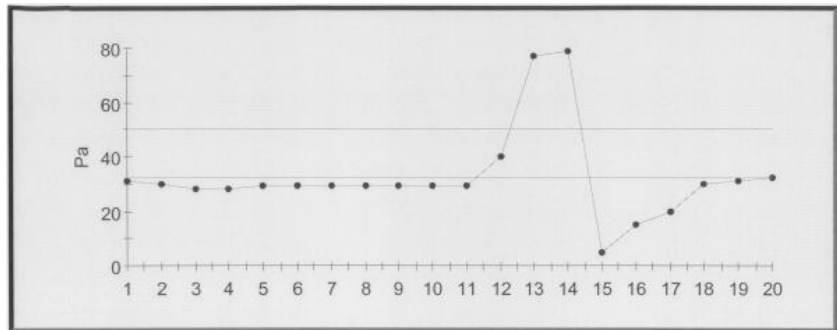




The saved curve is recorded in the JPEG file format in the following directory:

**C:\Program Files\ATEQ\Winateq\CurveX\JJMMAAA\[curve name].jpg**

The  button launches a print on the default printer of the displayed graphic. See the opposite print example:








## Chapter 6

# SERVICE


### 1. PROGRAM MANAGEMENT

The  (copy) and  (paste) buttons allow transferring data (parameters and functions) from one measurement head to another.

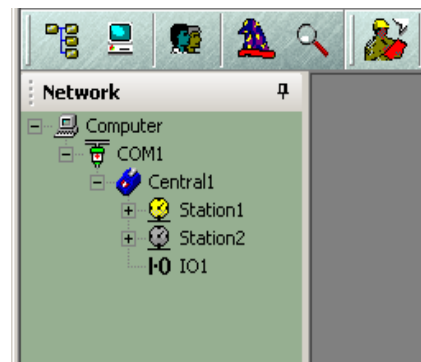
With each data transfer, **WINATEQ** controls the measurement instrument configurations, as they have to be exactly identical (hardware and software versions). If not, the  button will not be valid.

### 2. ACTIVATE OR DEACTIVATE A STATION


To stop the operation of a measurement instrument (or central) in the network, it's necessary to:

- Select the instrument to deactivate.
- Press on the  button.
- The selected instrument is in deactivated from the network.

In this example, the instrument number 2 is deactivated.



To activate an instrument in the network:


- Select the instrument to activate.
- Press on the  button.
- The selected instrument is then activated in the network.

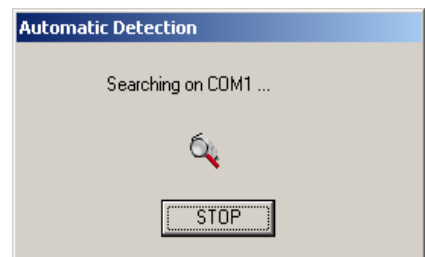
### 3. ADD A STATION

The addition of a station allows the insertion of a new instrument in the network and its notification.

Procedure for the installation of an additional instrument:


- Deactivate the communication between **WINATEQ** and the network (**Ctrl + A**).
- Switch off all the **ATEQ** instruments.
- Connect the additional instrument in the network.
- Switch on all the **ATEQ** instruments.
- Activate the communication between **WINATEQ** and the network (**Ctrl + A**).

- In **WINATEQ**, validate the  icon to detect the newly connected instrument.



- When the new instrument is detected, the "New station" information is displayed in the tree.



- Press on the  icon to start the installation operation.

- Once the installation operation is complete a message confirms the complete process.




#### 4. REPLACE A STATION

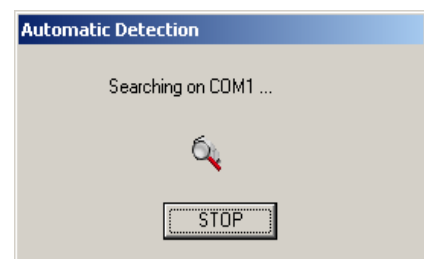
The "replace a station" function, allows the installation of an instrument to replace another in its place in the network.

The stations must be absolutely identical (hardware and software). If this is not the case, the replacement will be impossible and will be halted.

Replacement procedure:


- Deactivate the communication between the **WINATEQ** and the network (**Ctrl + A**).
- Switch off the network of **ATEQ** instruments.
- Connect the replacement instrument in the network of instruments.
- Start-up the instrument network.
- Activate the communication between **WINATEQ** and the network (**Ctrl + A**).

- In **WINATEQ**, validate the  icon to detect the newly connected instrument.

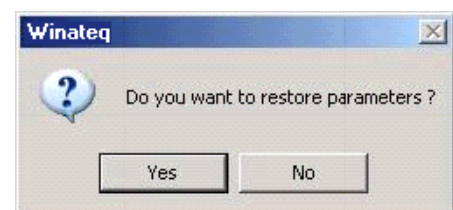


- When the new instrument is detected, the "**New station**" information is displayed in the instrument tree.



- Select the instrument to be replaced in the existing network.
- Press on the  icon to start the replacement.

- **WINATEQ** next asks if the parameters held in the old instrument should be restored to the new one.



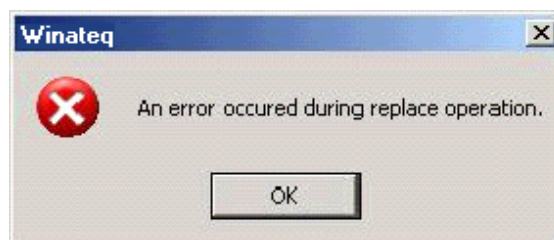
Next, the replacement will begin, **WINATEQ** will proceed to create a back-up and transfers the parameters in the event of a restoration, otherwise the replacement is simple and without transfer.



- At the end of the replacement a window appears to indicate that the installation of the replacement instrument is finished.



In the event of instrument incompatibility during the replacing (hardware or software configuration) the following message will be displayed to indicate that the instrument exchange is not possible:



## Appendicies




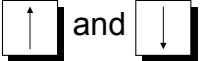


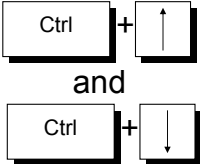
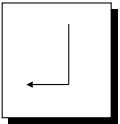


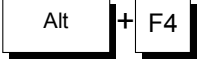
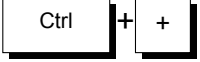
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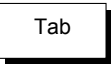
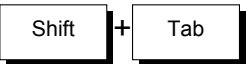
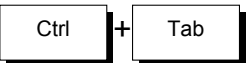
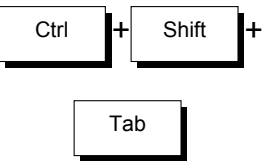
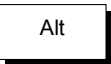



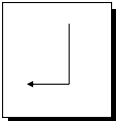
# KEYBOARD SHORTCUTS

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**WINATEQ** 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.
	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.
	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.

	<p>Allows the access to the next functions.</p>
	<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.</p> <p><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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