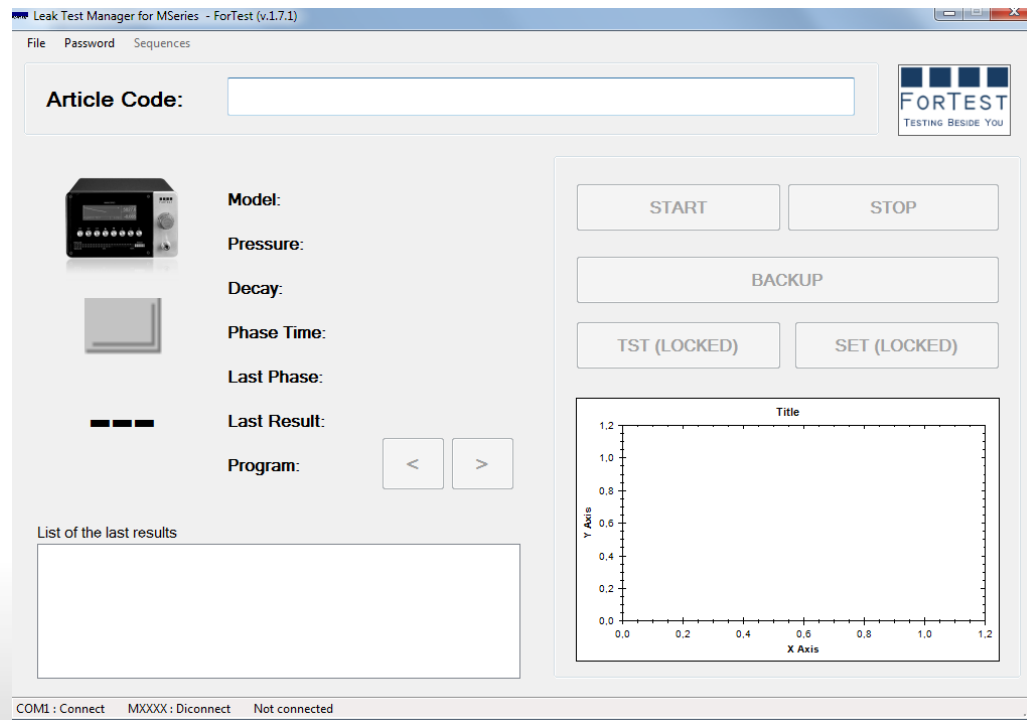# Leak Test Manager
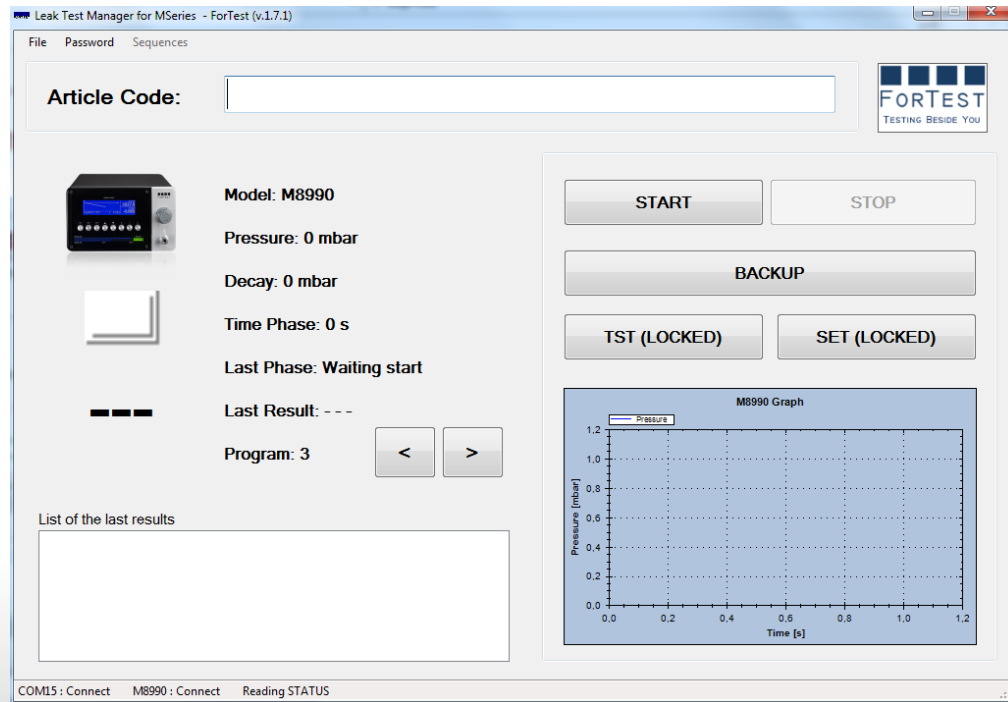## standard features and description

MAIN SCREEN

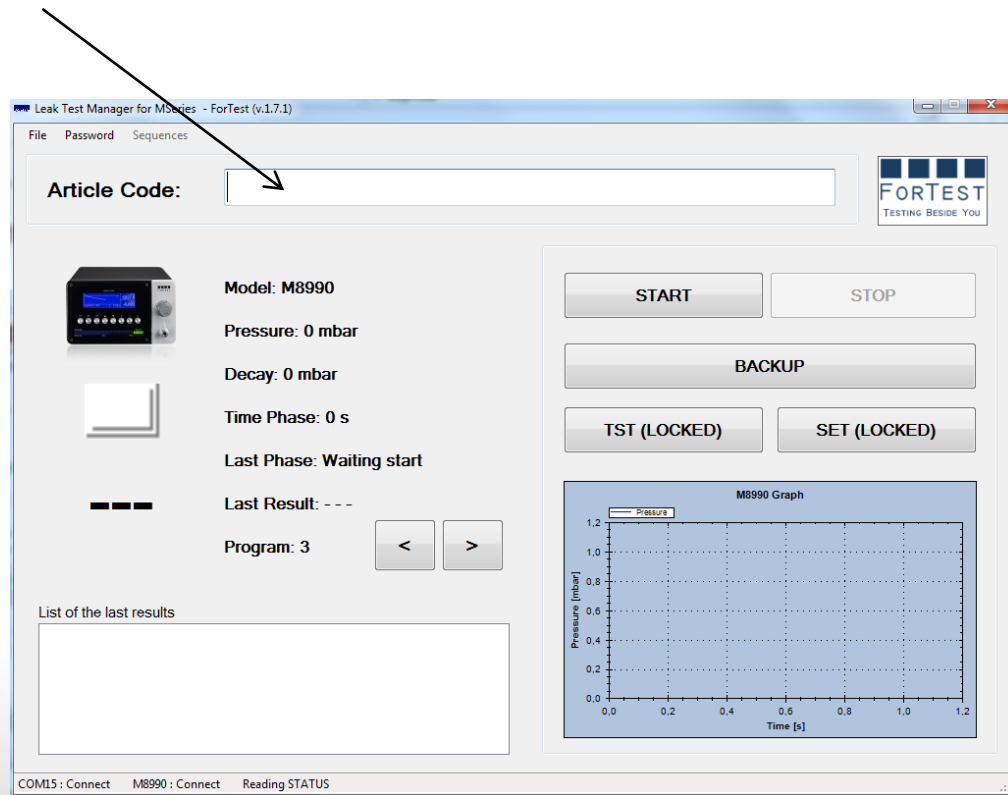Device is disconnected (all the controls in grey are disabled)

MAIN SCREEN
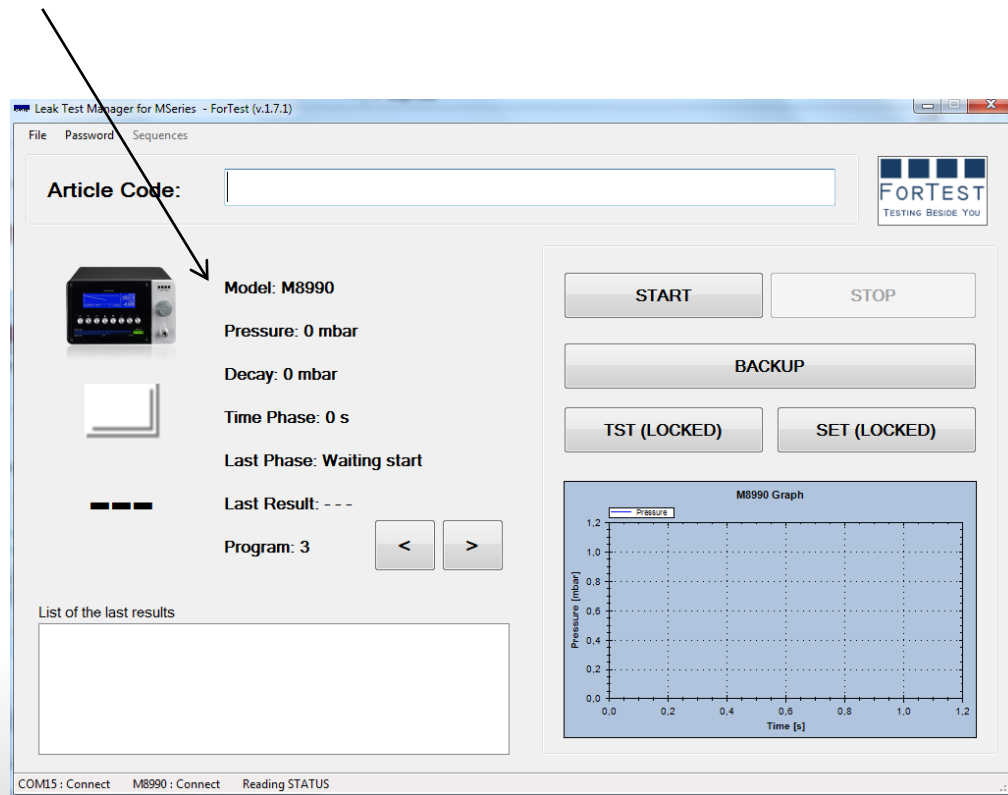
Device is connected (all the controls are enabled)

MAIN SCREEN

Article code: is the alphanumerical code that will be recorded into the test archive. It can be insert manually or via a barcode scanner (see options)
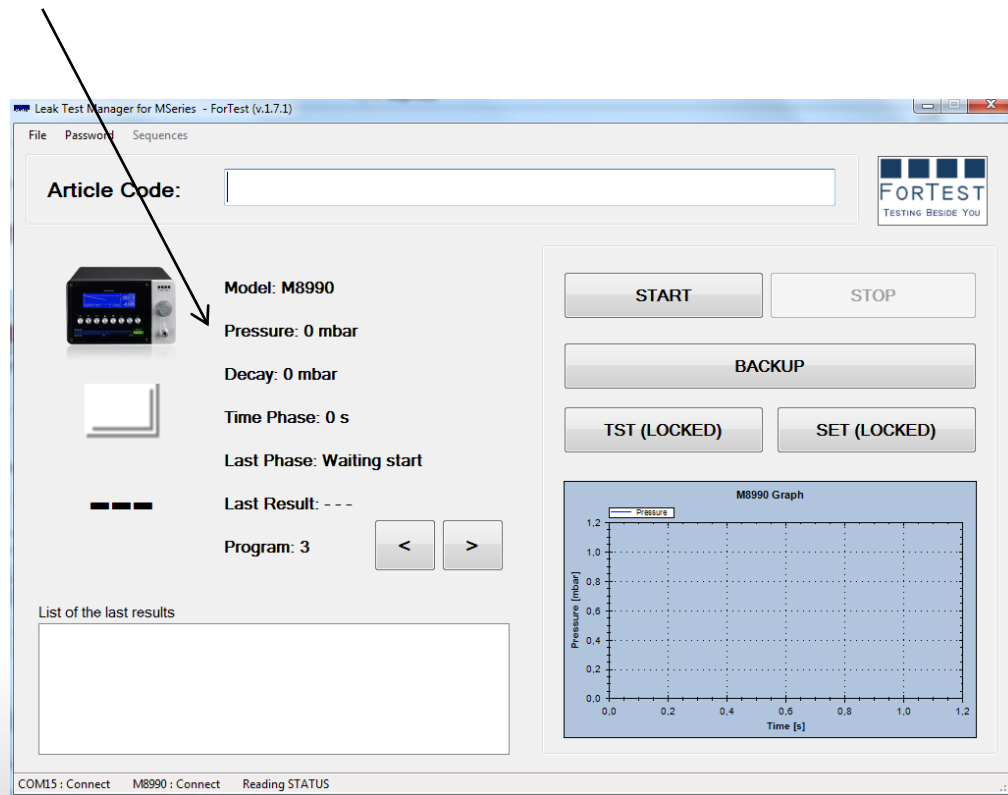
MAIN SCREEN

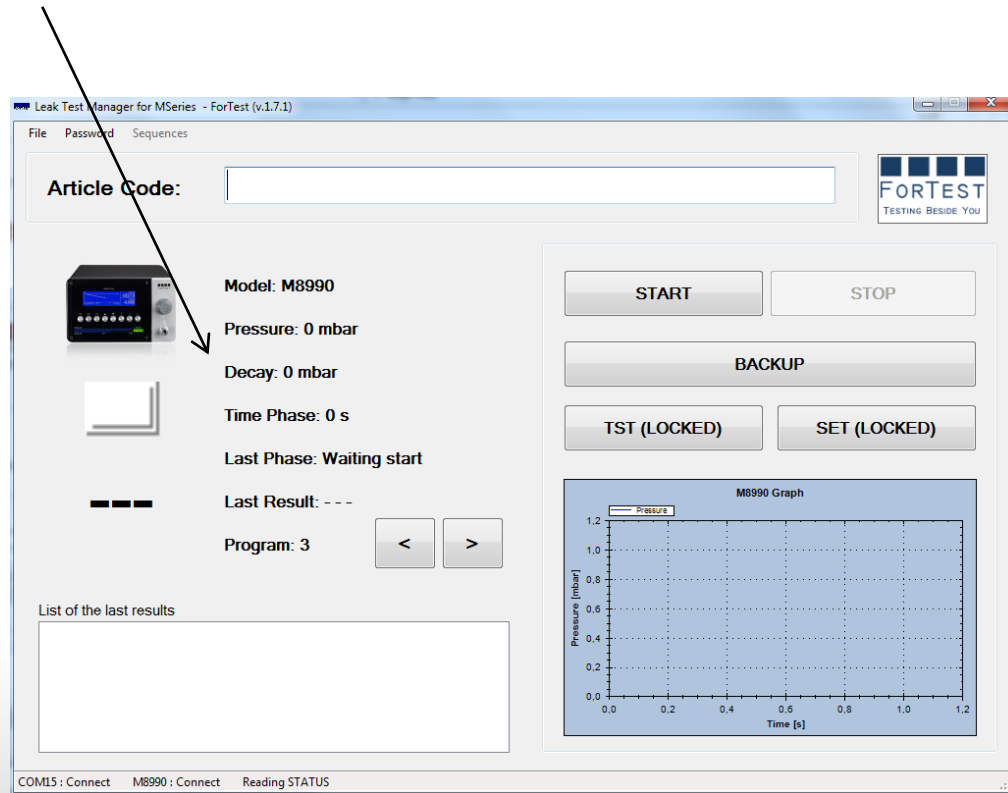**Model**: is the model of the equipment connected.

MAIN SCREEN

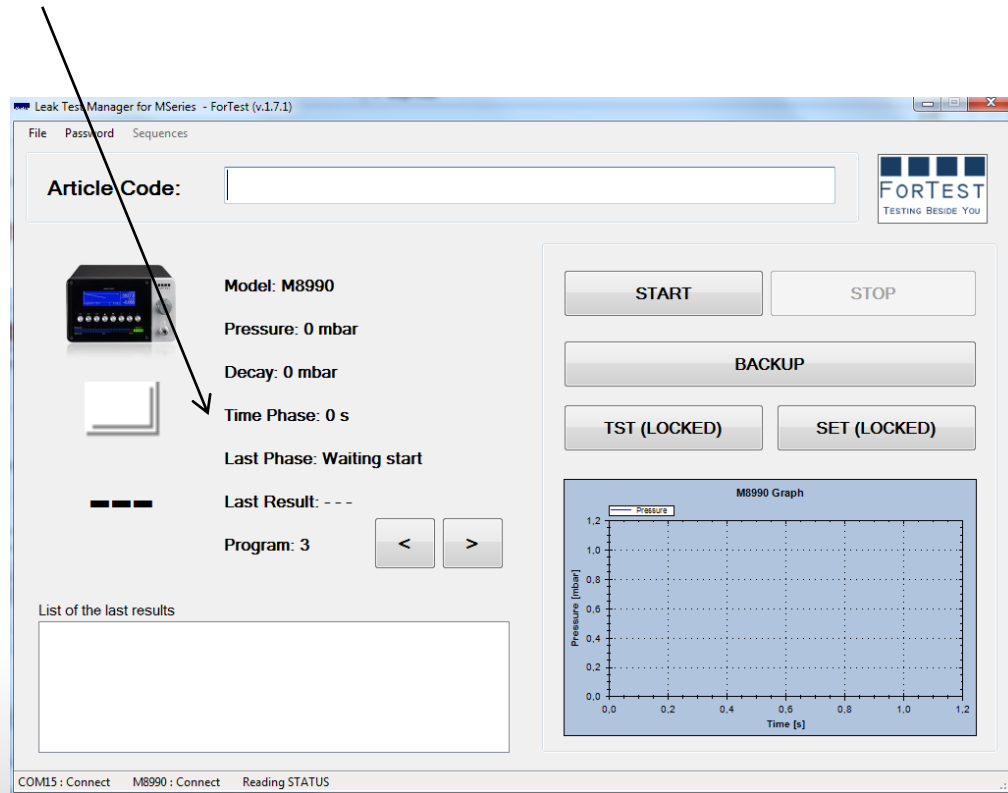**Pressure**: is current pressure evaluated by the device

MAIN SCREEN

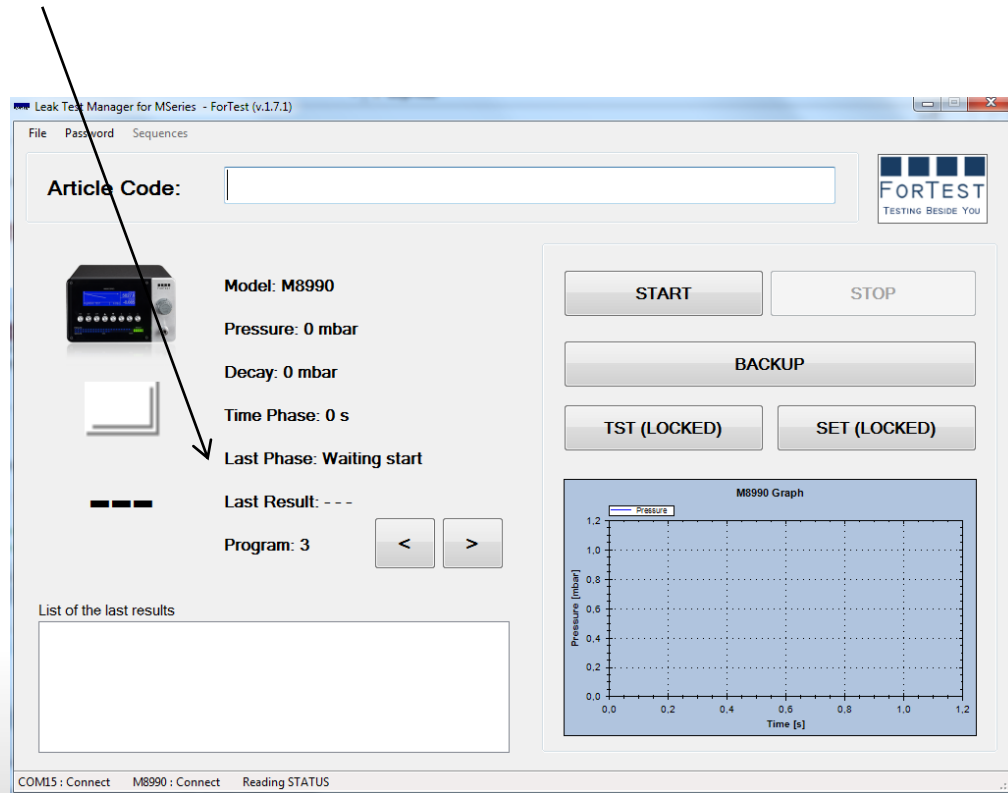**Decay**: is current decay evaluated on the device

MAIN SCREEN

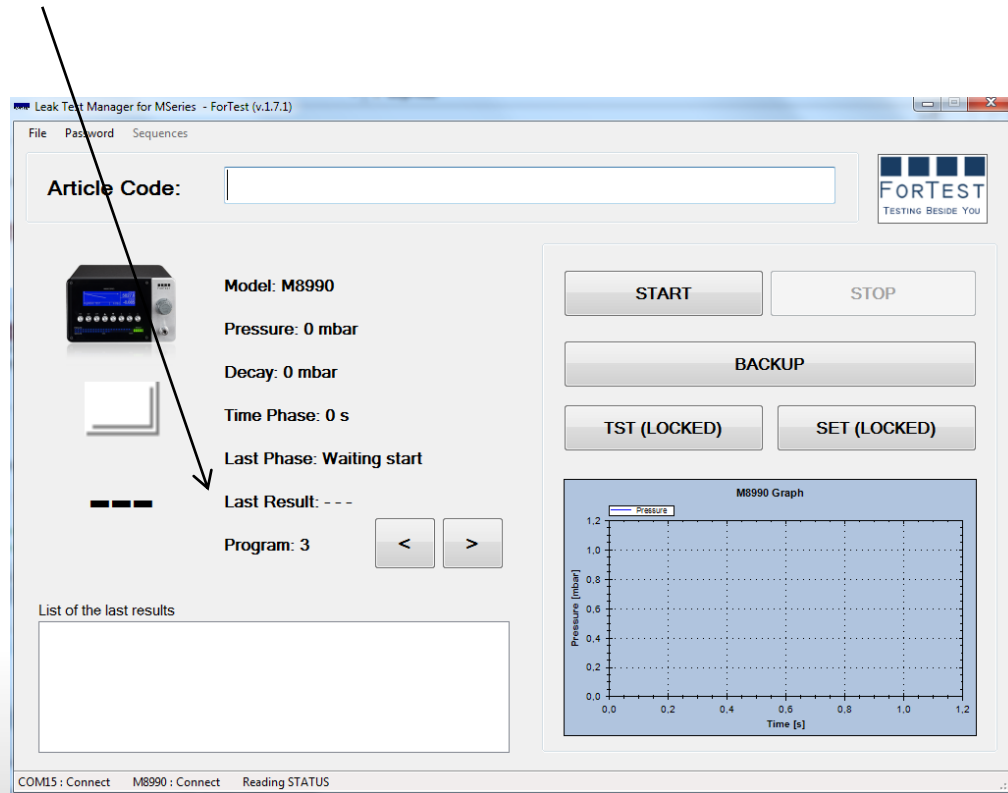**Time phase**: is the time in seconds remaining to the next phase

MAIN SCREEN

Last phase: is the last phase evaluated during the full cycle of test (for example : "Waiting start", "Filling", "Settling" , "Test"
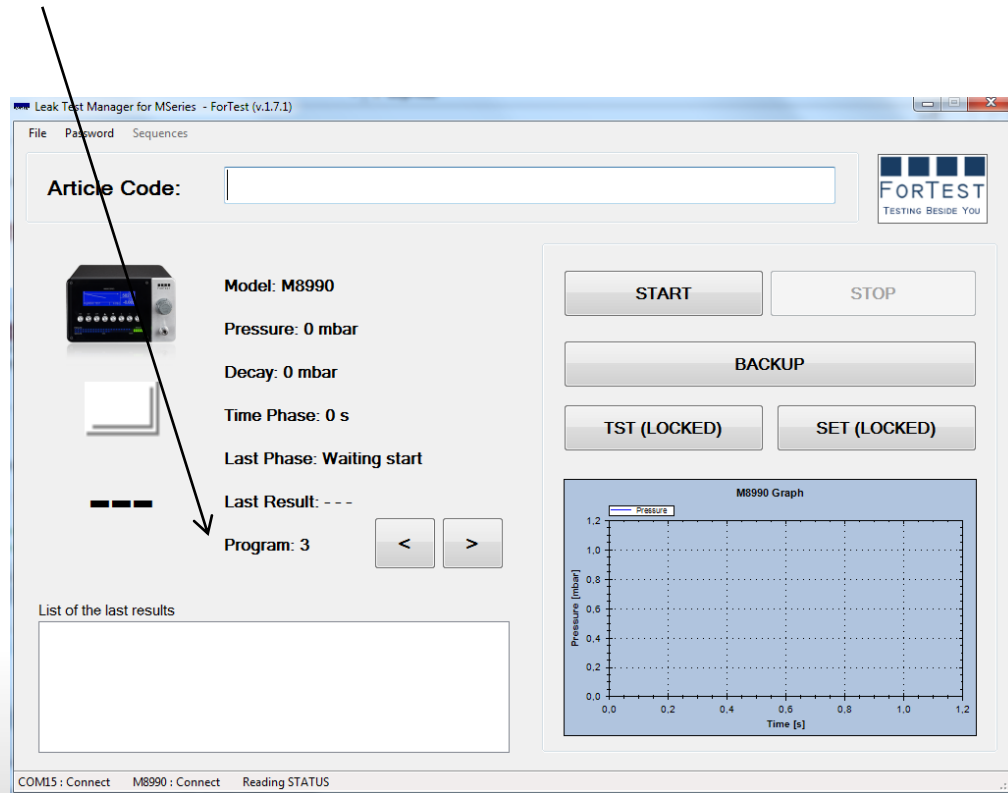
MAIN SCREEN

Last result: is the last result evaluated at the end of test.
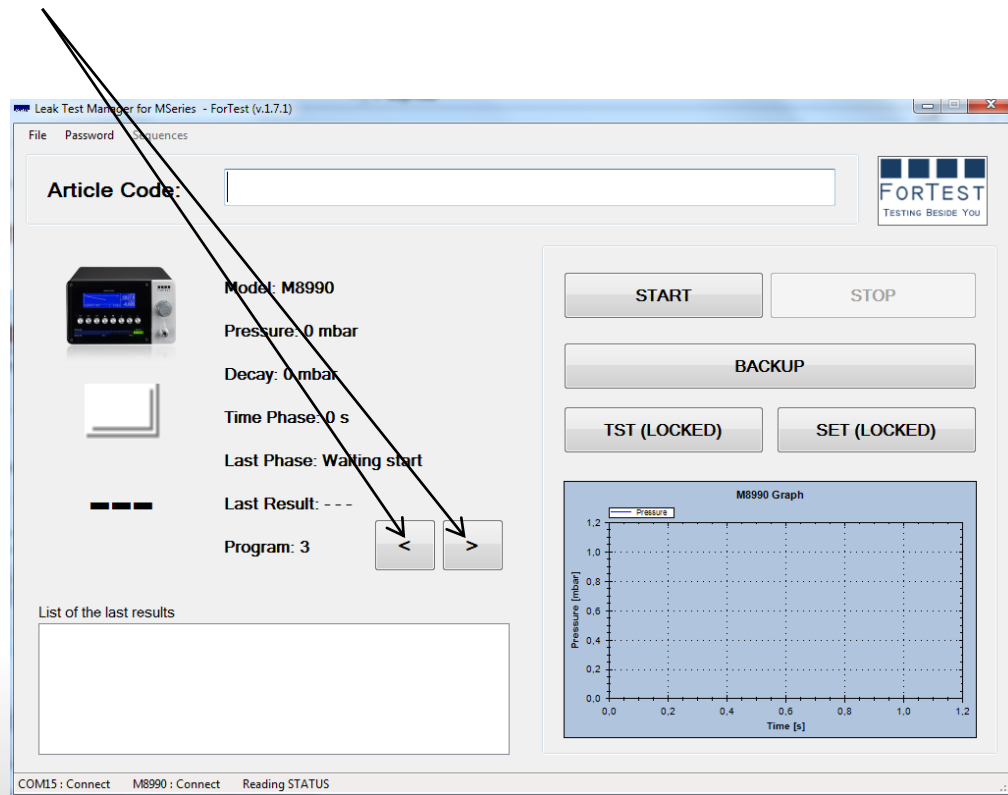For example : "Good" , "Abort" , "Bad"

MAIN SCREEN

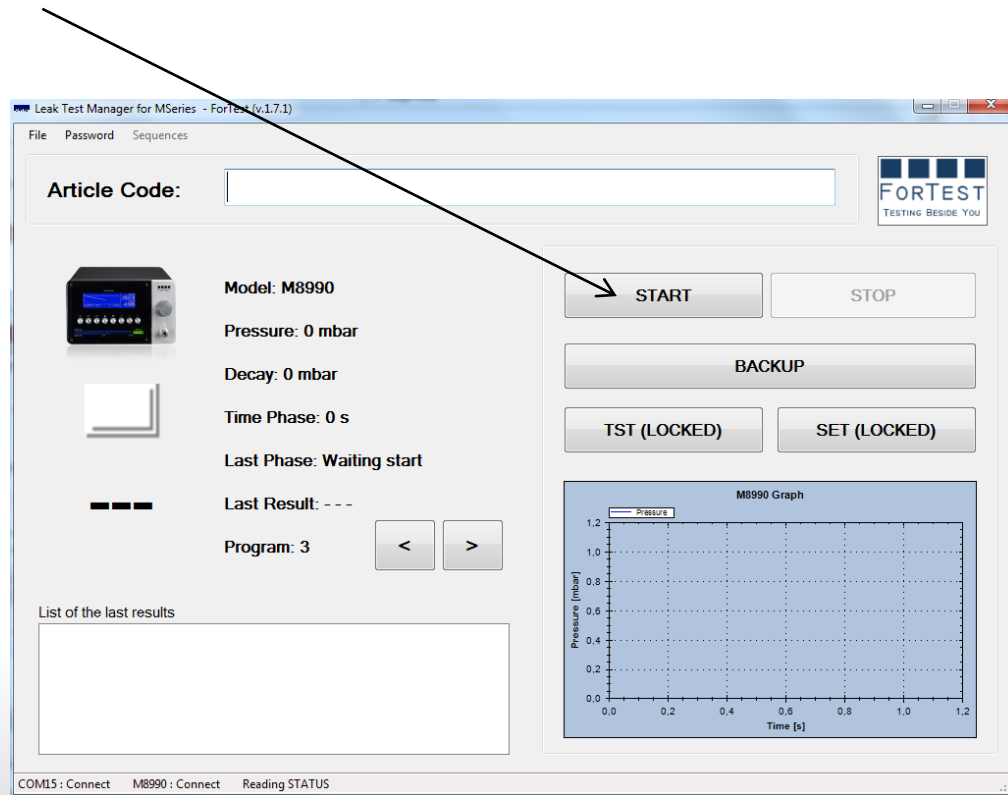**Program number**: is the current program of test running on the device

MAIN SCREEN

Program switch: change forward or backward between test programs
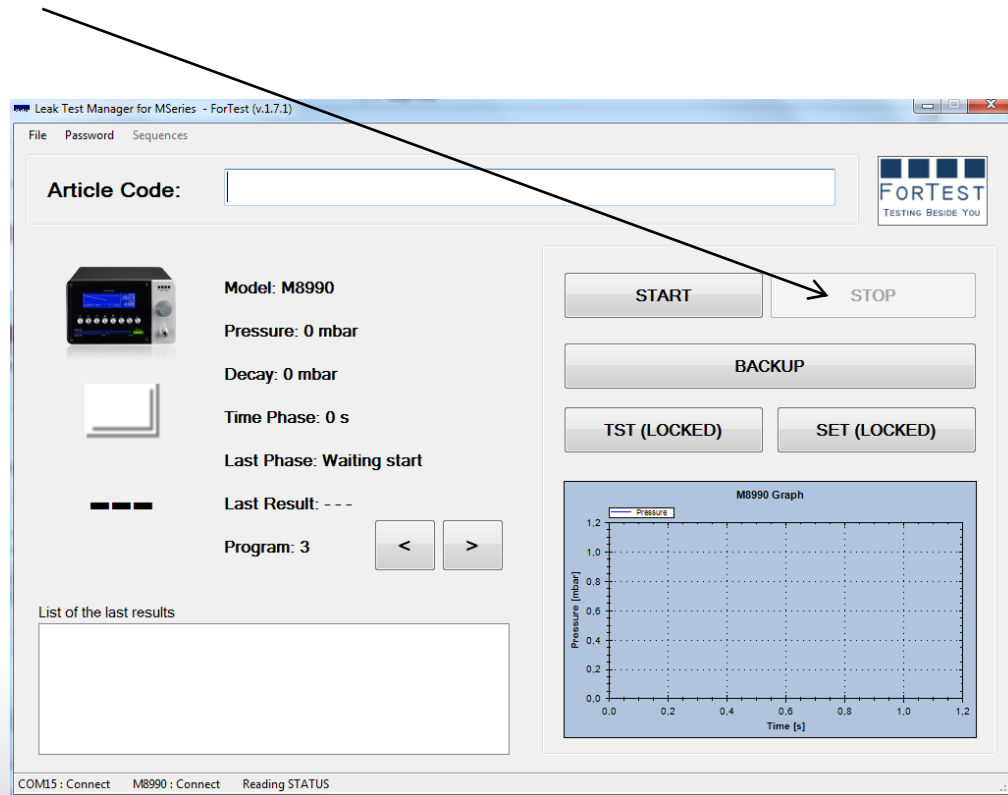
MAIN SCREEN

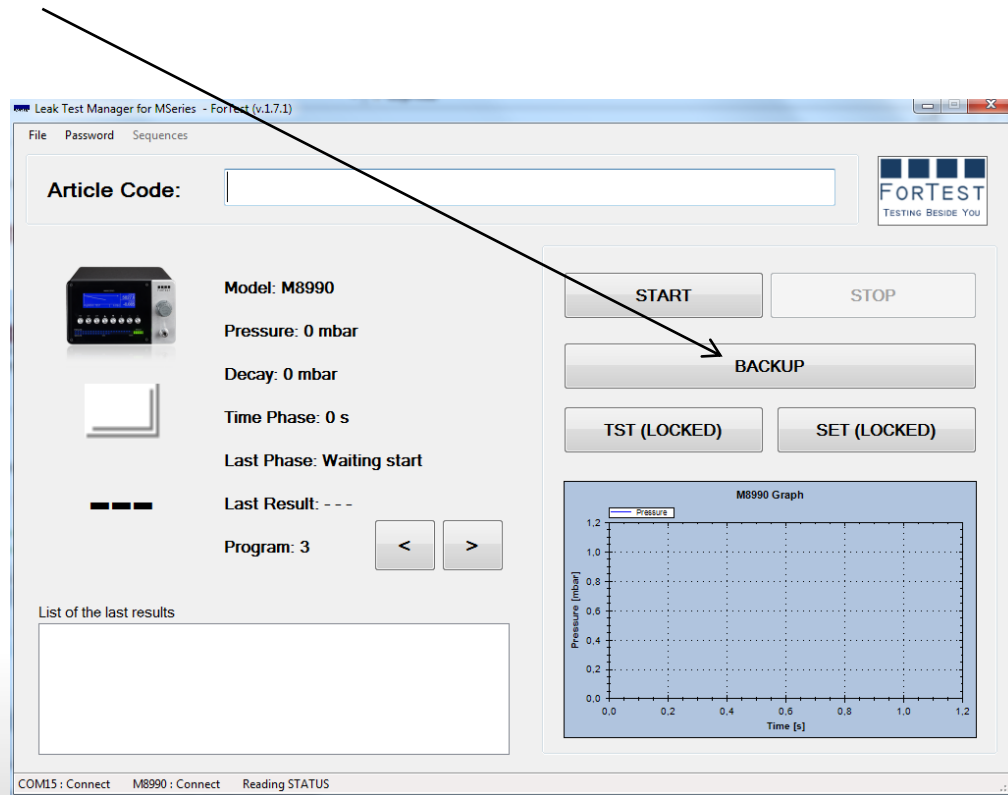**START**: start the current test program

MAIN SCREEN

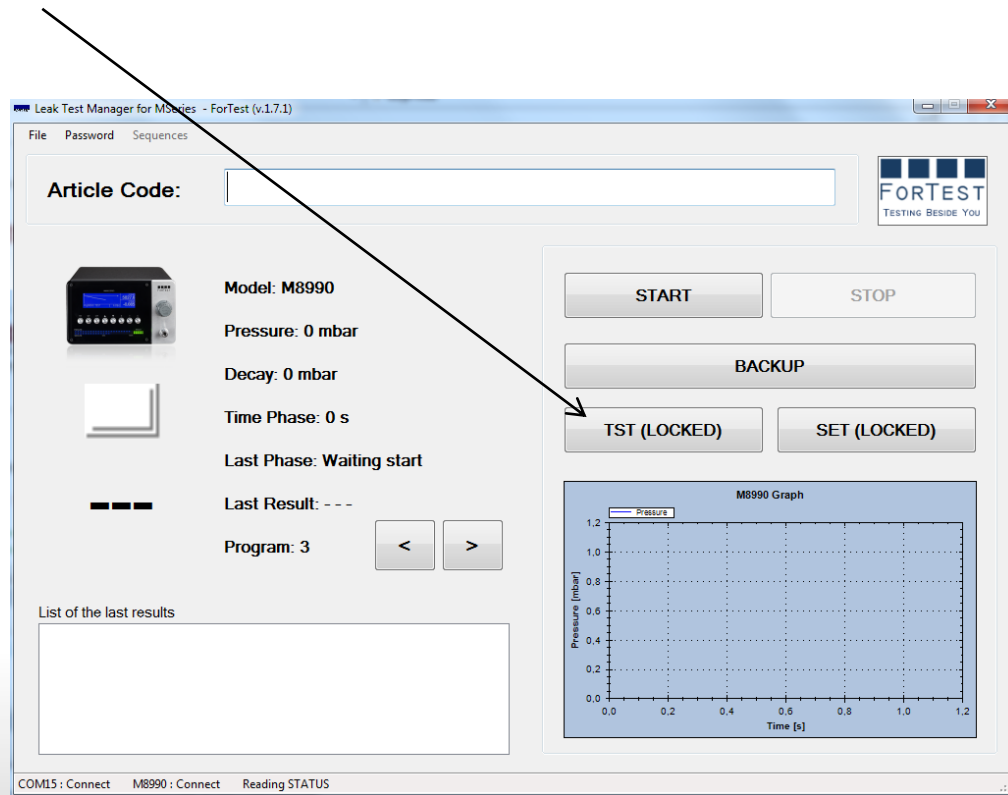**STOP**: stop the current test program

MAIN SCREEN

BACKUP: perform a copy of all programs starting from program 0 to a Determinated program into a XML files. See "BACKUP" for more informations
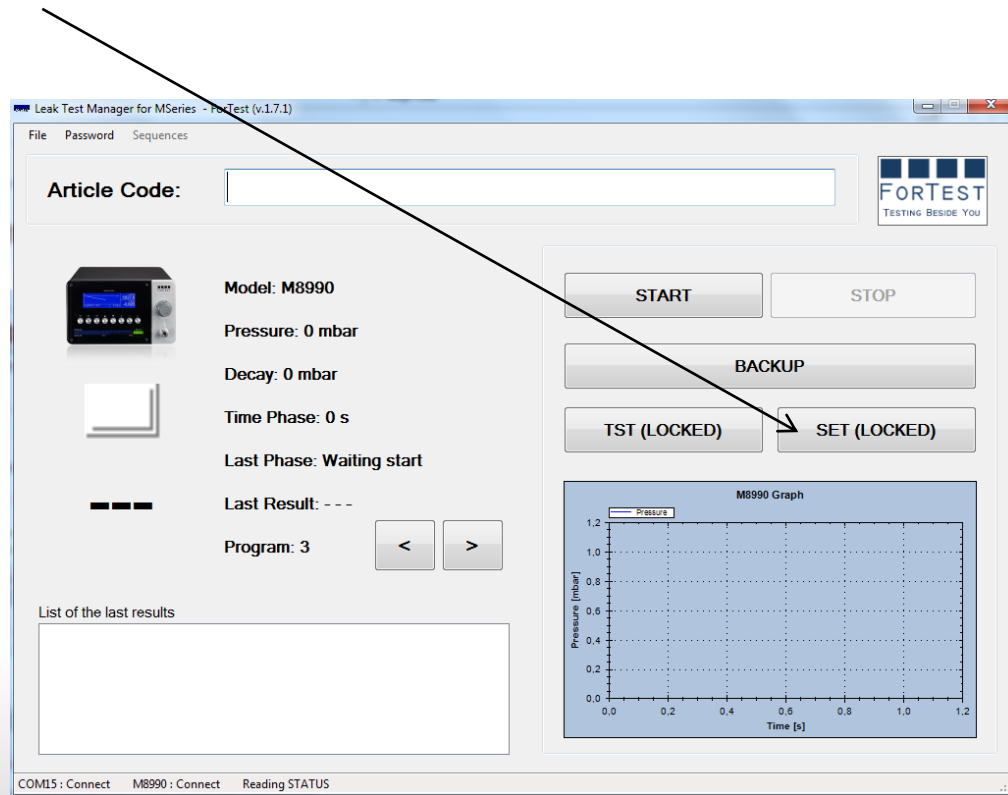
MAIN SCREEN

TST: Modify the testing parameters of a program (See "TST" for more informations) If "LOCKED" it means that is password protected.

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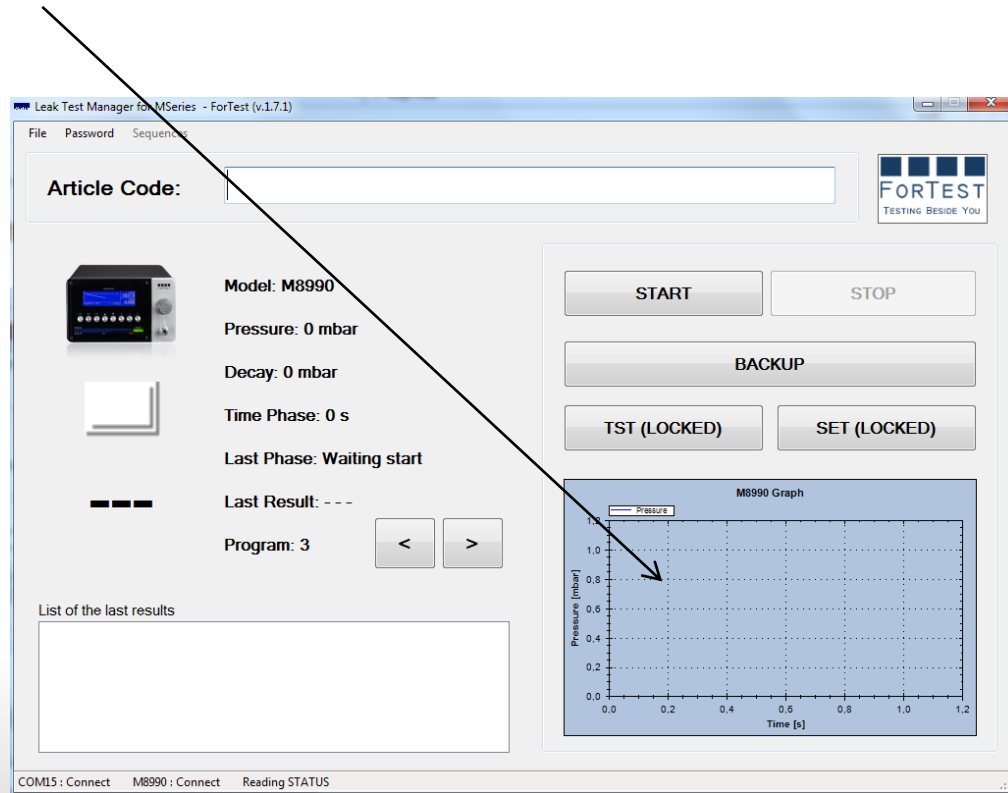
MAIN SCREEN

SET: Modify the setting parameters of the device
 If "LOCKED" it means that is password protected.
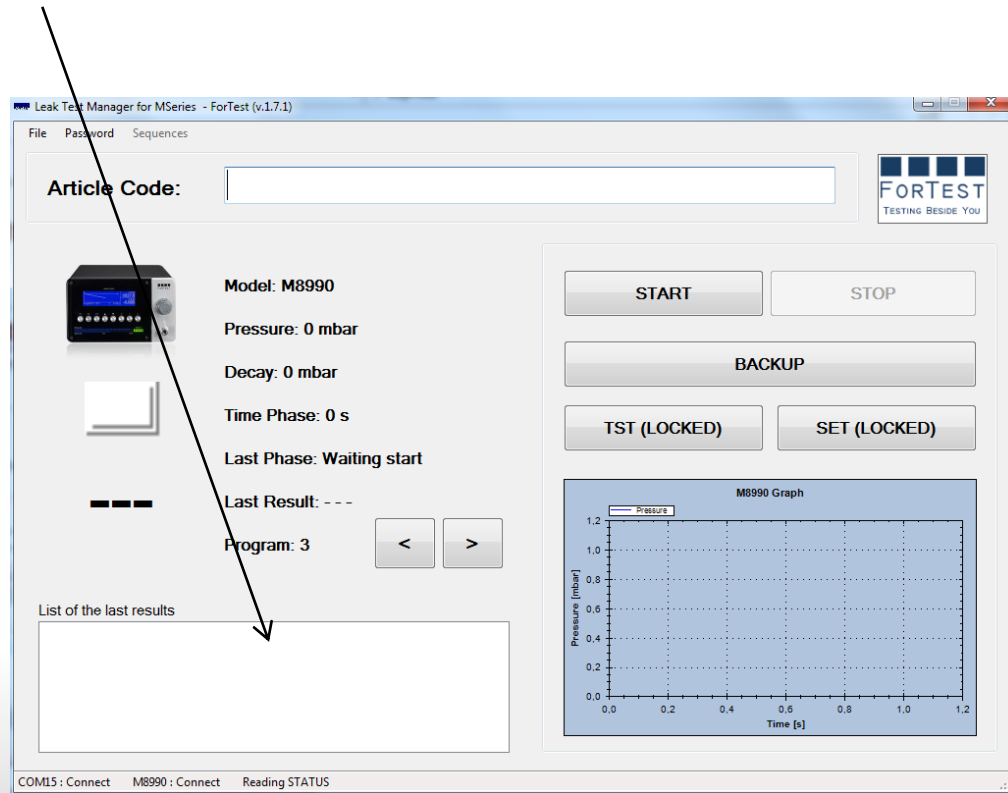
MAIN SCREEN

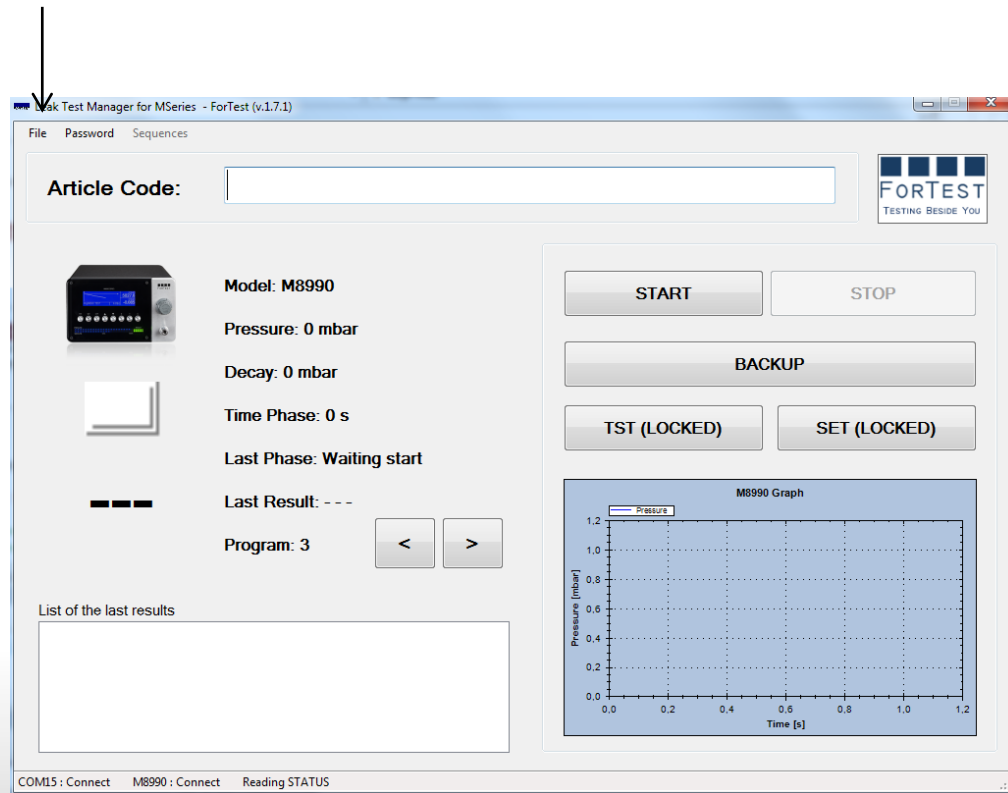**GRAPH**: Graph the pressure and the decay during the test

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MAIN SCREEN

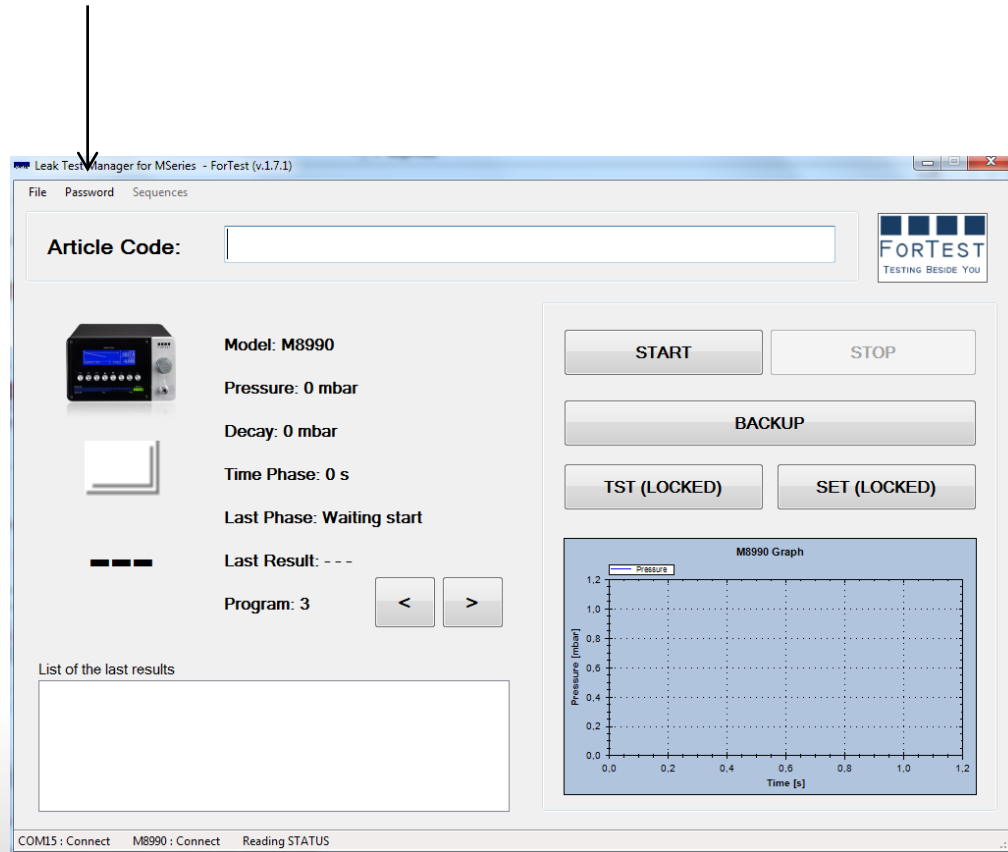**LAST RESULTS**: Show a list of the last results evaluated

MAIN SCREEN

File: It contain the "OPTION" menu for configure the software
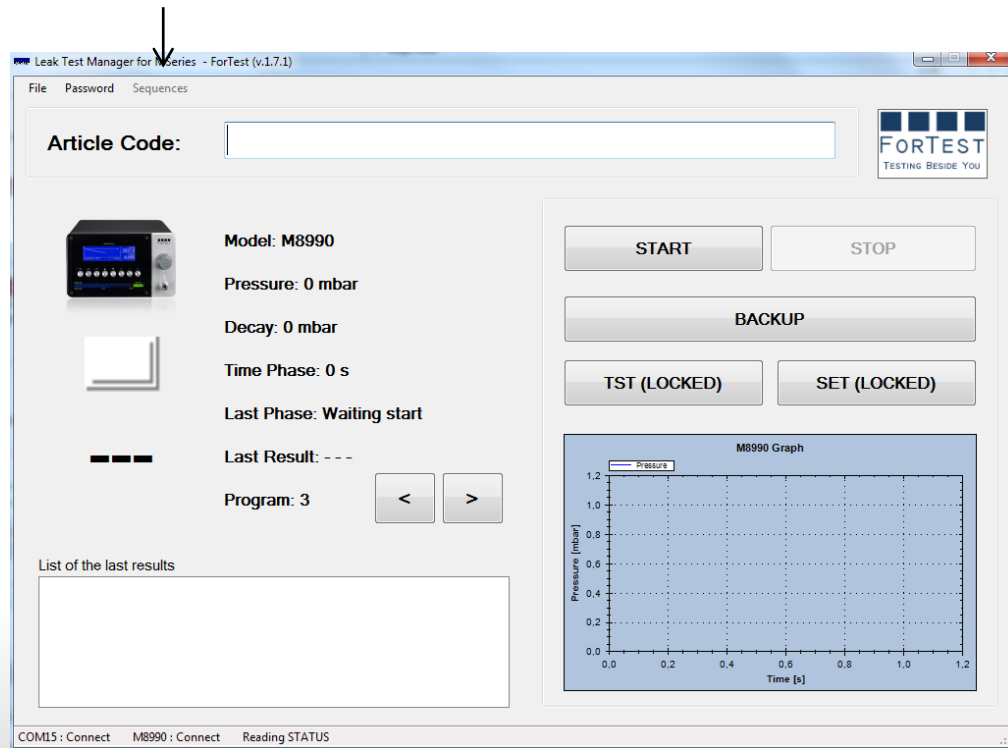
MAIN SCREEN

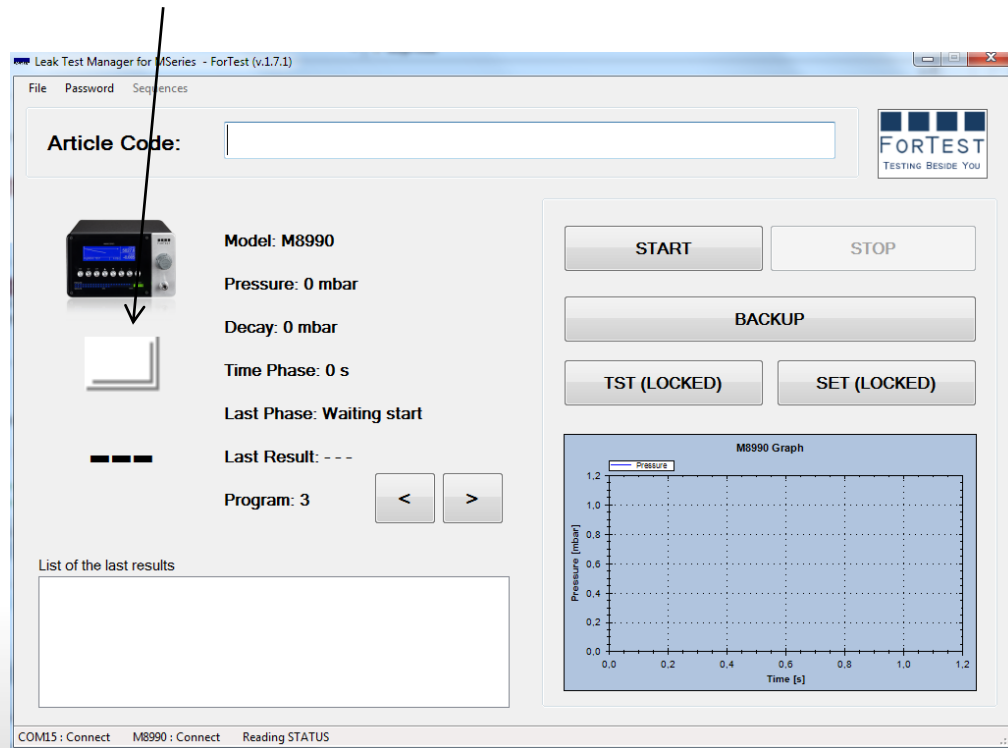**Password**: Lock/unlock controls by password and redefine a new password

MAIN SCREEN

Sequences: create an association between an article code and the execution of automatic test of sequences. For example is it possible to read a barcode and automatically perform a test on the program 1, if result OK program 2, etc..
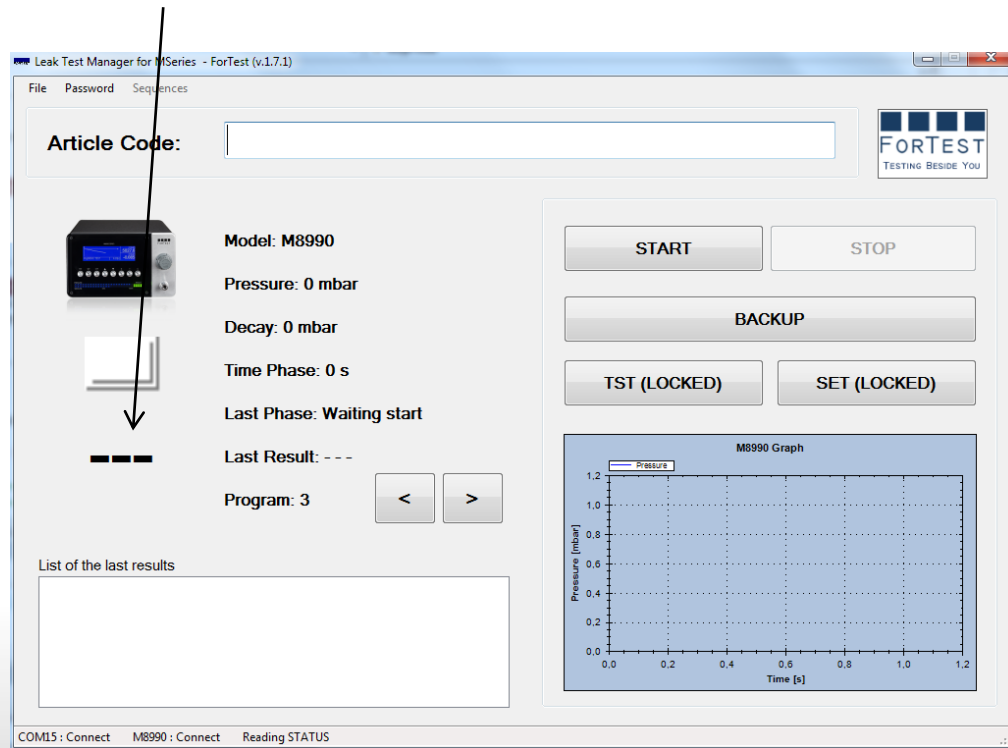

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MAIN SCREEN

Semaphore light : GREEN if result is OK, YELLOW if the test is in progress, RED if the test is KO , WHITE if the result is ABORT of not determinated

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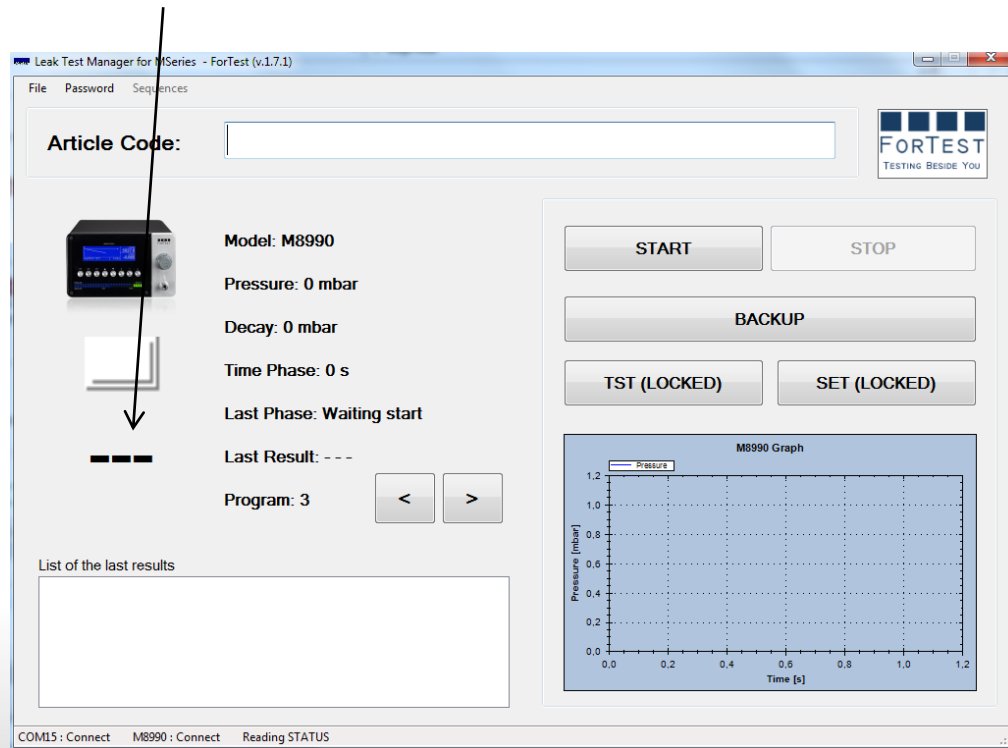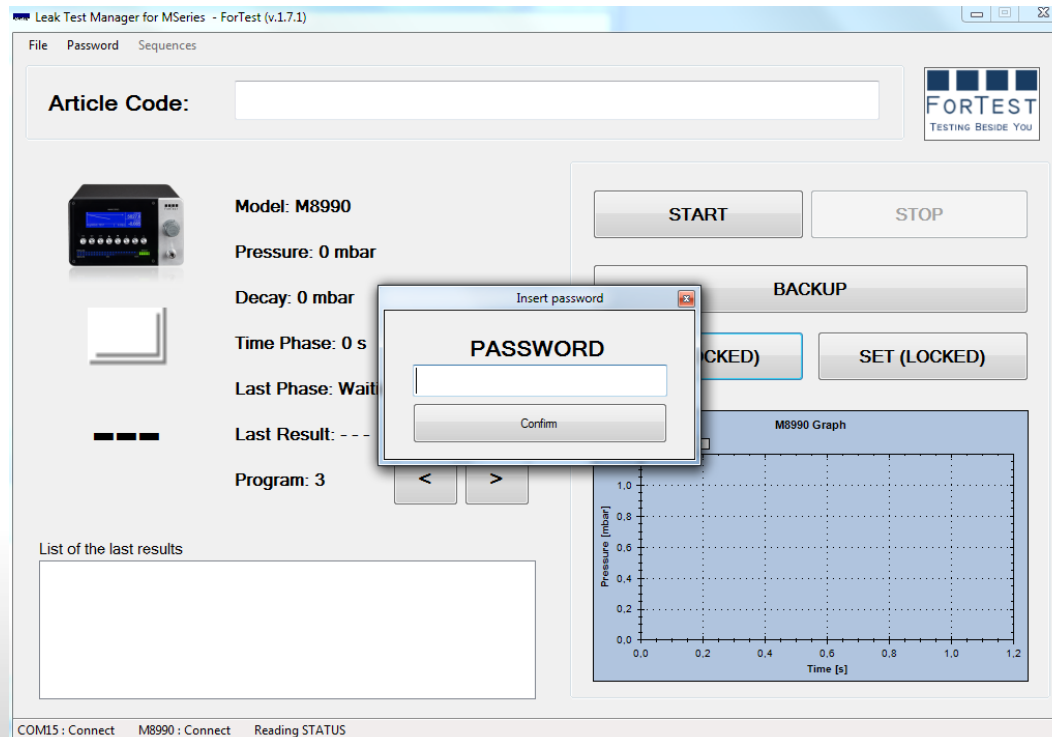
MAIN SCREEN

Short result : It show "OK" for Good result, "KO" for Bad result or "---" if the result is Abort or not determinated

MAIN SCREEN
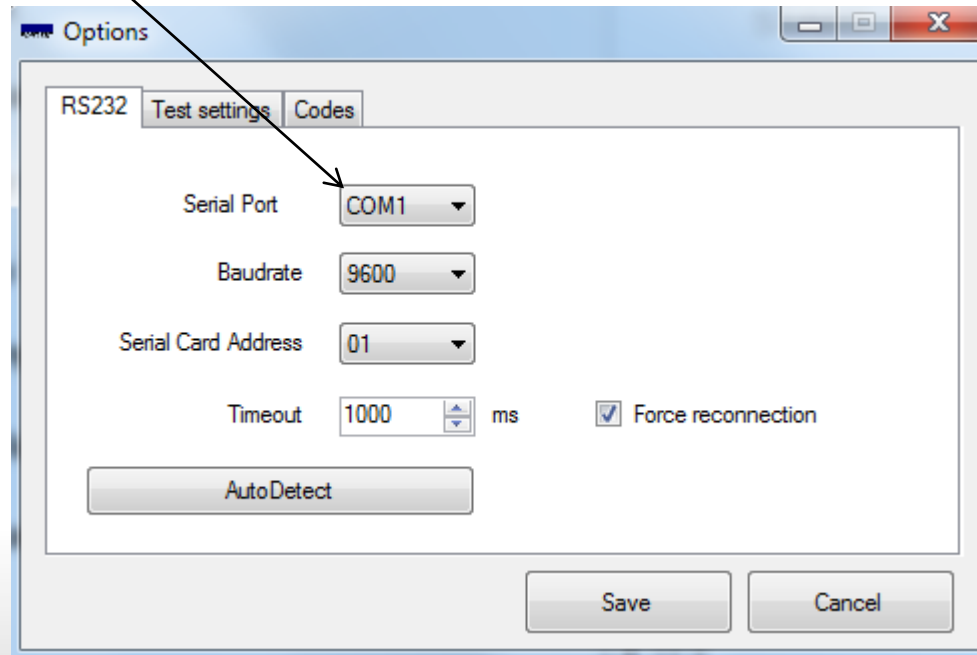
Short result : It show "OK" for Good result, "KO" for Bad result or "---" if the result is Abort or not determinated

MAIN SCREE

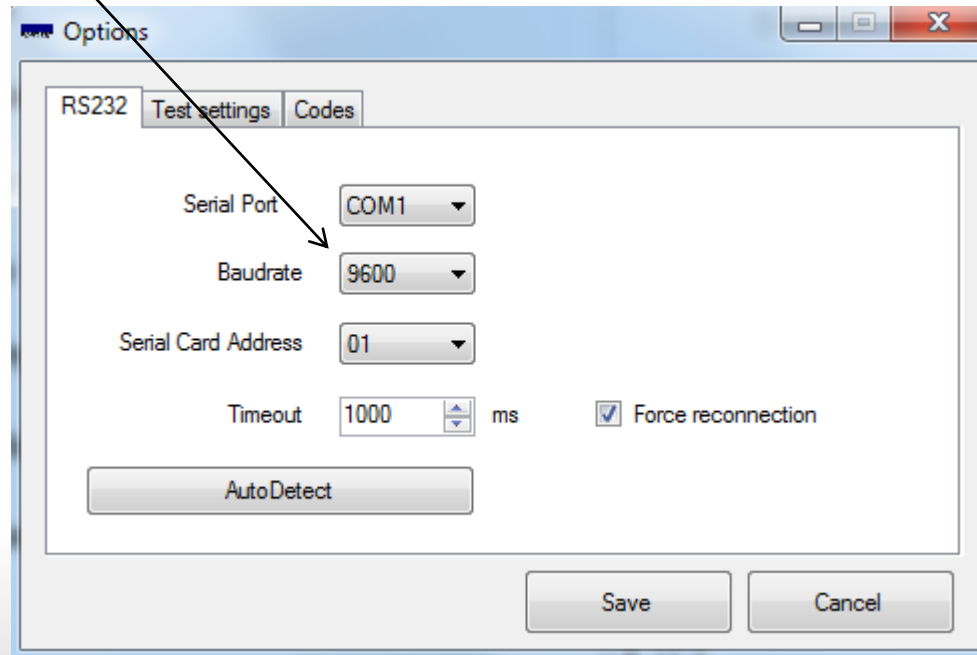All "**LOCKED**" controls need to be "**UNLOCKED**" with the supervisor password. Default password is "fortest"

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OPTION (RS232)

Serial port : is the serial port name connected to the device

OPTION (RS232)

Baudrate: is the current baudrate of the device

OPTION (RS232)

Serial Card Address: is the address of the device

OPTION (RS232)

Timeout: If the software don't receive an RX answer in N-milliseconds it show a timeout error and the communication with the device is lost.

OPTION (RS232)

Autodetect: Perform a scan of the equipment on every serial port and if detected it automatically configure the connection with it

OPTION (TEST)

SAVING RESULT PATH: Is the directory path of the test archive saved

OPTION (TEST)

FORMAT ARCHIVE: Is the format of the archive (MsAccess, Excel , CSV)

OPTION (TEST)

SAVE RESULTS: Choose to save all "OK", "KO" or "ABORT" results

OPTION (BARCODE)

OPERATOR CODE: Is a code that will be inserted into the archive. It is an identification of who made the test.

OPTION (BARCODE)

ARTICLE CODE INSER : specify if the article code in inserted manually from the keyboard, from a barcode connected to PC or connected to the device.
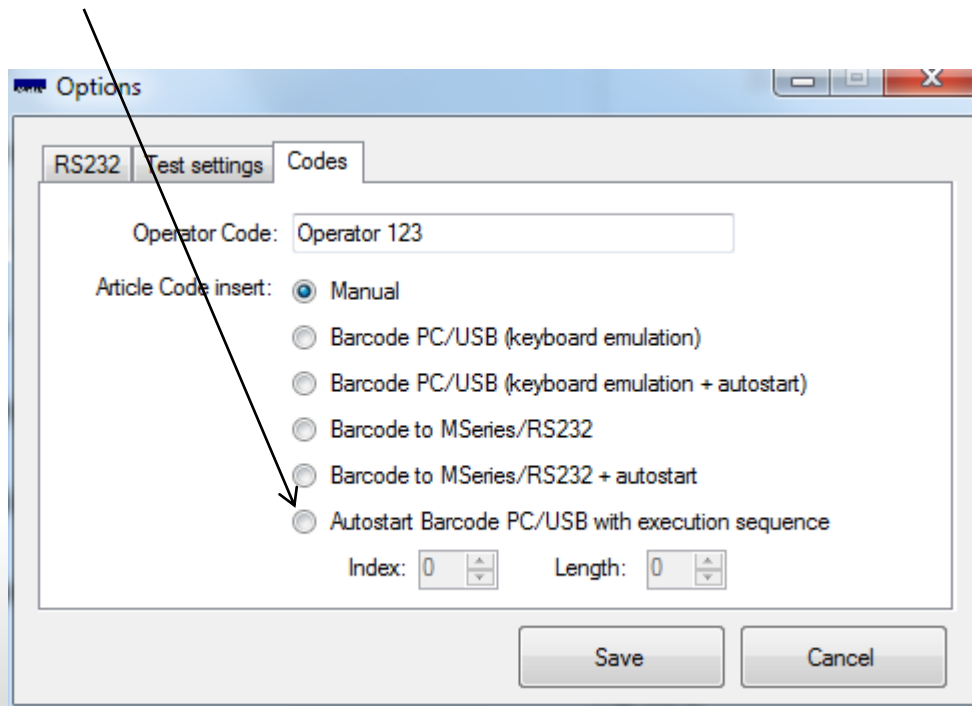
OPTION (BARCODE)

NOTE: "**Autostart barcode PC/USB with execution sequence**" will enable the "SEQUENCES" menu. It permit to auto execute programs when a determinate article is written. **Index** is the starting point from evaluate the code. **Lengh** is the length of the barcode

OPTION (BARCODE)

For example : If you have the barcode "ABC123DEF456" and you want to filter the barcode to evaluate only to "123DEF" you must use INDEX = 3 , LENGTH = 6 (starting index is 0). Into "SEQUENCES" only the filtered code will be matched

TST

Example of TST parameters of the device. All text
parameters must be confirmed with the "ENTER"
key pressure

BACKUP

Example of BACKUP of TST programs

SEQUENCES

Sequences is an editor that permit to execute programs on the device if an article code match with a specific code. For example a supervisor want to perform test of program 1 when the article code is "ABC", test program 2 when the article code is "123" etc..

SEQUENCES

+ : Add a rule to the sequence editor

- : Remove an existing rule

SEQUENCES

Code: is the code to match with the article code
Description: is a description of the test to perform
Program: is the chain of programs to execute

EXCEL ARCHIVE

Example of test archive

Graph compare

CSV

EXCEL

Export data from CSV format into Excel and create custom graphs and compare values, execute formulas and macro