

COMPANION APP

Software manual from V3

The screenshot displays the ITS Companion software interface. The main window is titled "ITS Companion" and features a menu bar with options: Reports, Programs, Connect, Select Folder, Remote Control, Login, Program Manager, Configuration, Language, User Manual, Info, Update, Exit, Show report, and Close. The interface is divided into several sections:

- On Machine:** A sidebar on the left showing a list of test reports.
- Info:** A central panel displaying test details:
 - Type: Test report SPK test IPx9K 4 Lan.
 - Test start: 28.09.2023 08:49:07
 - Test duration: 00:12:36 (745 data entries)
- Parameters:** A section for configuring test parameters, including fields for Inspection Order, Testobject Description, No of Testobject, Customer, Customer ID, Test Location, Commission No, and Auditor. A dropdown menu is set to "EN".
- Report layout:** A section for defining the report layout, currently showing "#Master SPK.repx" and "Master SPK.repx".
- Values during the test:** A large area containing two line graphs. The top graph shows "Water flow [l/min]" (blue), "Water temperature [°C]" (red), and "Pressure [bar]" (green) over a 12-minute period. The bottom graph shows a zoomed-in view of the first 4 minutes.
- Local Computer:** A sidebar on the left listing local test reports:
 - SPK_IP9K_20cycles_20240717_115221
 - TEST_20231219_121758
 - X9K-TEST1_20230928_084907
 - X9K-TEST2_20230928_090805
- Info Dialog:** A small window in the bottom right corner displaying the software version (3.0.1.0) and contact information for ITS GmbH, including the address (Industriestraße 18, 47589 Uedem), website (<https://ITS-GmbH.de>), and email (Support@ITS-GmbH.de).



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1. Overview of functions

The **ITS COMPANION APP** software is an additional application that provides different functions for the following **ITS** GmbH machine types (series):

- **SPK R...** (spray water chamber)
- **SRA ...** (swivel tube systems/room solutions)
- **SK ..** (dust chamber (> summer 2020))
- **SWK ...** (splash water chamber (> summer 2020))
- **DT ..** (pressurized water jet chambers, similar to SPK)

These program sections are available depending on the equipment of the machine:

Demo of the **COMPANION APP** (always active without a valid license):

- The basic functions of the program can be tested or simulated.

Basic license of the **COMPANION APP**:

- **Report generator** for the recorded test data (offline)

The data recorded during a test can be copied locally from the machine to a USB stick. A test report is then generated on the PC from this data, on which all available test parameters are listed. This means that recorded actual values can also be documented using a graphical curve display.

Pro license of the **COMPANION APP**:

- **Report generator** for the recorded data of the tests (offline + **online**)

In combination with a (network) data interface, the software can access the data directly at the machines and transfer it to a graphical test report via OneClick. As in the basic version, transfer via USB stick is also possible.

- **Program editor** for creating test programs (recipes/templates)

Programs for the tests on the machines can be prepared on the PC with all the necessary parameters. Once created, the test programs can be transferred directly to the machine control system and called up locally for testing at any time.

!with Stand v3 only programs for SPK and SRA can be created !

- **Remote control** of the machine from the office PC.

Via the optional (network) data interface, the operator can access the machine from his office workstation, monitor it during the test and also operate it completely remotely.

Pro-Plus license of the **COMPANION APP**: (from ~2025 Q1)

- All contents of the **Pro license**
- **Editor** for free customization of report files with graphical editor.

2. Requirements for use.

The **ITS GmbH** machine/system must be equipped with data recording. This is usually an optional extra, but can be retrofitted. In addition to the **OP200** "Data recording" option, you need the **OP210** option for the Companion App PRO to be able to use the network interface.

PC (x86) with standard Windows 10/11 (at least Windows 7) operating system.

Microsoft .NET Framework 4.7.2. must be installed or will be loaded automatically during installation. An Internet connection may be required for this.

If there is no Internet connection on this PC, you can also download the .NET Framework separately from Microsoft and install it manually in advance.

Data recording must be activated **before the test** so that the machine display (HMI touch panel) also saves this data in a file internally in the memory. Tests that have been completed without activated recording can no longer be evaluated, as the data has not been saved.

Optional,

a USB stick for data transfer from the machine display to the PC (limited)

or

Network connection of the machine with separate/additional network card in the operating display of the machine. (only available for the **PRO versions**)

For connection with spray water chambers of the SPK ... series (or room solutions with SRA ...), these must have at least software version 5.xx. (or room solutions with SRA ..), these must have at least software version 5.xx. Older systems may not yet provide all the necessary information.

To connect SK... dust chambers, they should have firmware version V6.1 or higher. Earlier versions (<2020) are not compatible.

Systems prior to 2020 should be checked beforehand with sample data, but can be upgraded in most cases (>ITS Service).

Contact ITS GmbH to find out whether your system meets the requirements.

3. Installation

There are two different options for installing all versions of the ITS Companion App, which are explained below:

Installer (Windows Setup Package)

You can also find the latest version under this link:

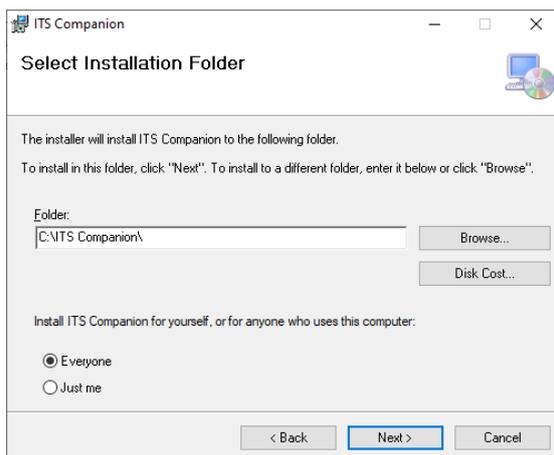
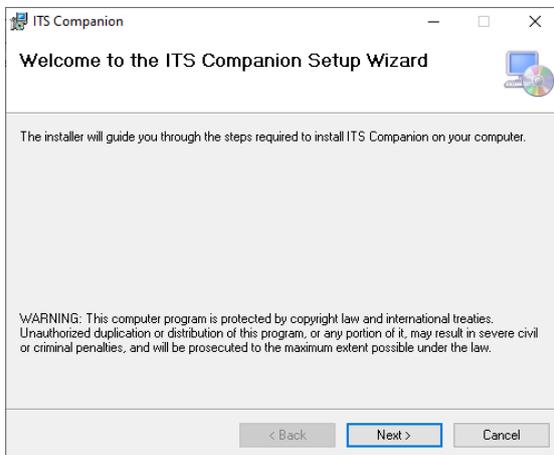
<https://its-gmbh.de/wp-content/companion-app/ITS-Companion-v3-Install.zip>

Extract the ZIP file into a folder by right-clicking "Extract all".

With the Windows Installer package, the application is automatically installed with all the necessary components to a selectable location on your PC's hard disk.

Double-click on *Setup.exe* to start the installation.

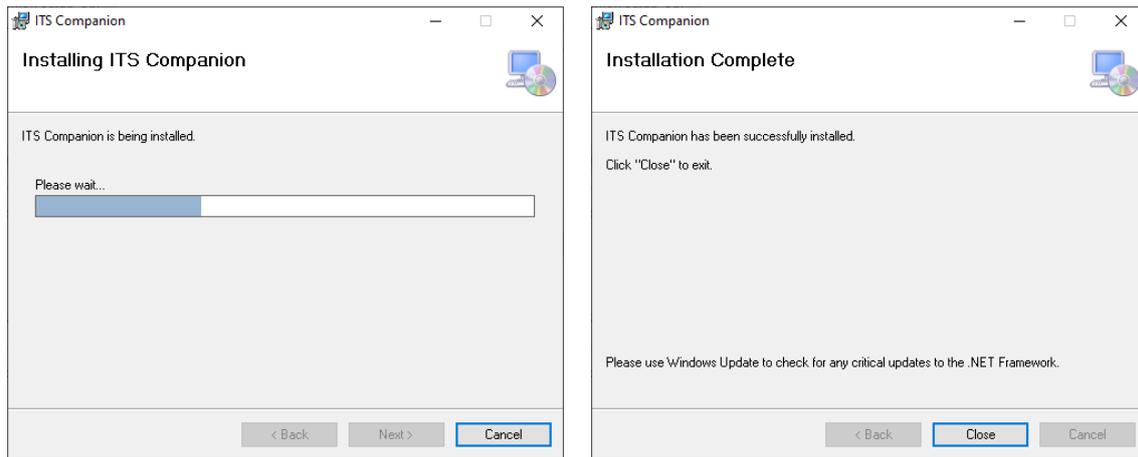
The installation language is English, Companion can be switched to German later.



Under "Browse", select the installation directory and whether multiple users of the computer have access.

The subsequent user needs write access to this folder as the data is also stored there!

We recommend using the suggested path **C:\ITS_Companion**.



The installation runs automatically after selecting the storage location, but may ask for the administrator password for installation on your PC.

You should select a drive on which you have unrestricted write access.

In addition to the program files, a subfolder is created at the storage location for each machine in which all files and settings for this machine are stored.

Program copy (zip archive)

A version already available on another computer, but also a simple copy or a backup of the program directory can be moved or copied to any location or to another PC and can also be run there without installation as long as the complete path has been transferred. However, a valid license is always required for each PC separately!

Any missing Windows system or .NET components are normally automatically reloaded and initialized at the first start **if an Internet connection** is available.

ATTENTION:

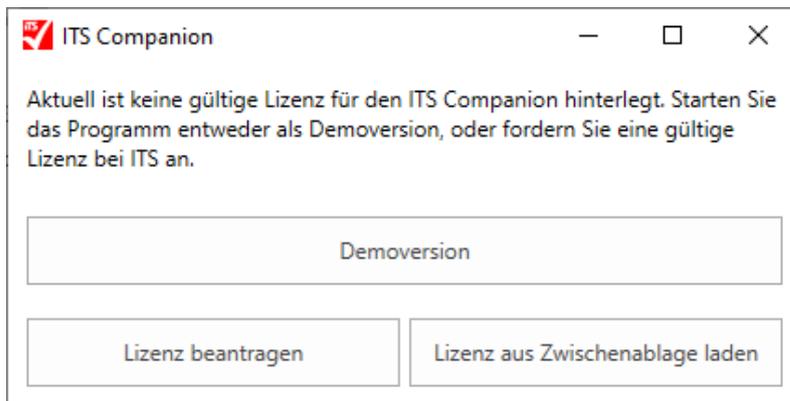
THE LICENSE FILE IS UNIQUELY ASSIGNED TO YOUR COMPUTER AND BECOMES INVALID ON ANOTHER PC. CONTACT ITS GMBH IF YOU LEGALLY REQUIRE A NEW LICENSE.

4. First program start and license

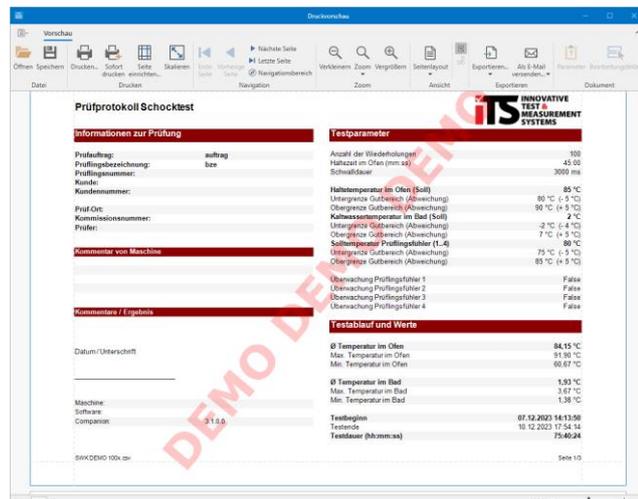
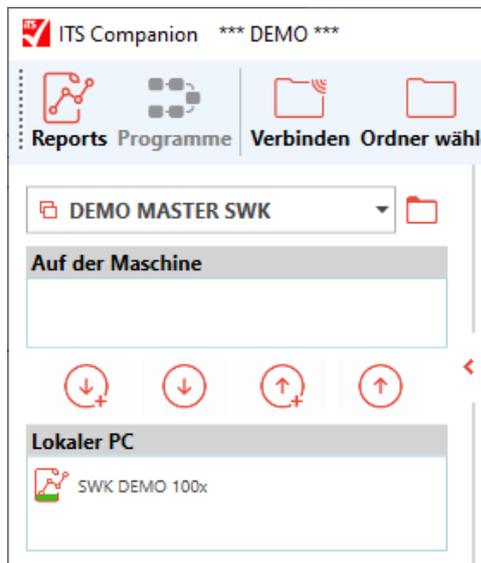


After installation, start the application as usual by clicking on the icon in the start bar or desktop or in the selected installation folder.
> *ITS Companion.exe*

When the program is started, it checks whether a valid license is available. If no license is found, you can **either** use the **demo version**, **apply for a license** or **load an existing license**.

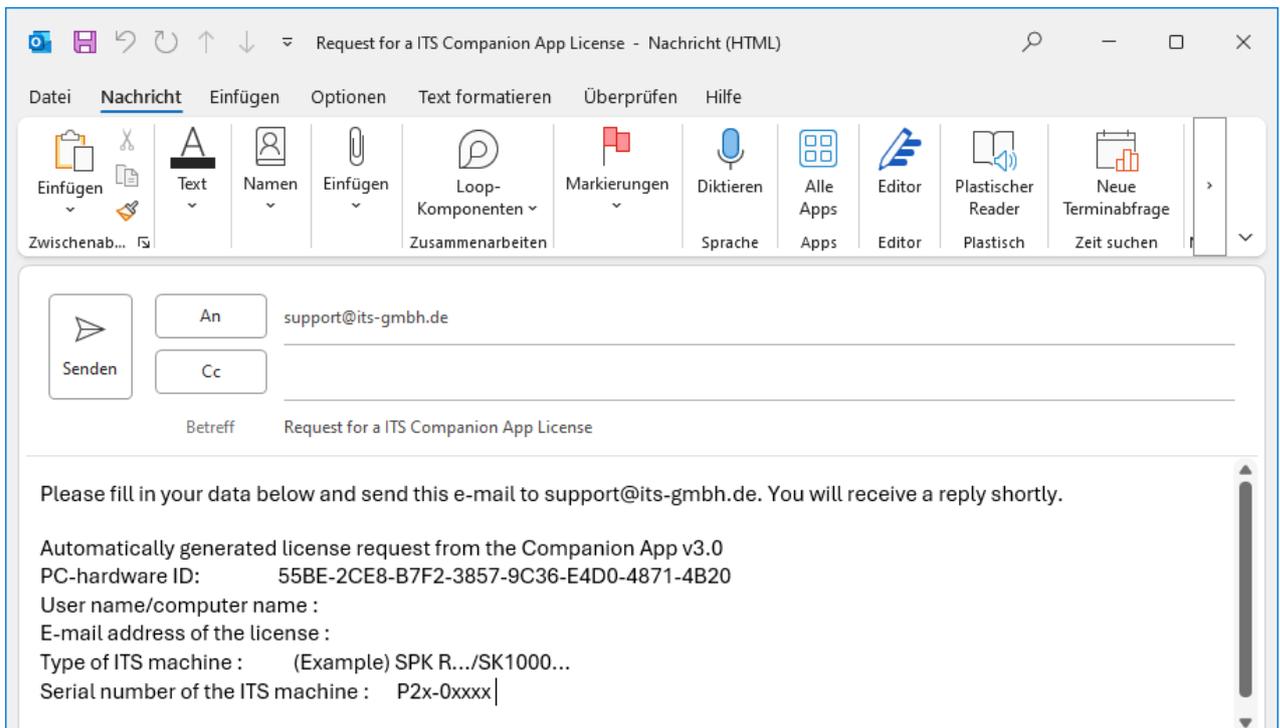


Demo version



The demo version is marked with *****DEMO*****. The demo version contains machines with data recordings whose reports can be generated and are marked with the "Demo" watermark. It is not possible to establish a connection with the machine; a sample image is stored in the remote control.

Apply for a license



An email addressed to ITS Support and containing your PC hardware ID is automatically opened in the standard mail program.

Please add the following information so that we can assign your license correctly and restore it if it is lost:

- User name or name/location of the computer for assignment in your company
- E-mail, to contact us
- Machine type, see type plate
- Serial number of the machine, see type plate

If this is not clear from your e-mail address, please also enter the company name to simplify the check for existing licenses.

If you have already purchased a license with your machine, you will receive a file with the name **"ITS Companion.lic"** from us shortly.

A .txt file containing readable information, e.g. the version, is also attached.

You can move these to the *ITS Companion* installation folder.

Alternatively, you will receive a key from us as a long text string. You can paste this into the clipboard using the copy command and insert it by clicking on **"Load license from clipboard"**. You must confirm once that Companion is closed, then the license file will be created and recognized the next time it is started.

ATTENTION:

THE ID IS UNIQUELY ASSIGNED TO YOUR COMPUTER AND CHANGES AS SOON AS YOU REPLACE CENTRAL COMPONENTS OF YOUR PC. THIS WILL INVALIDATE YOUR LICENSE AND YOU WILL HAVE TO REQUEST A NEW LICENSE (FILE) FROM ITS GMBH WITH THE NEW ID.

If you upgrade to a version with more options, e.g. from the basic to the Pro version, you will receive a new license key from us. You can either replace the **"ITS Companion.lic"** file or delete the old file so that the window opens again in which you paste the key via the clipboard.

5. Update

If the PC is connected to the Internet and an update is available, this is indicated by a green star * next to the update symbol.

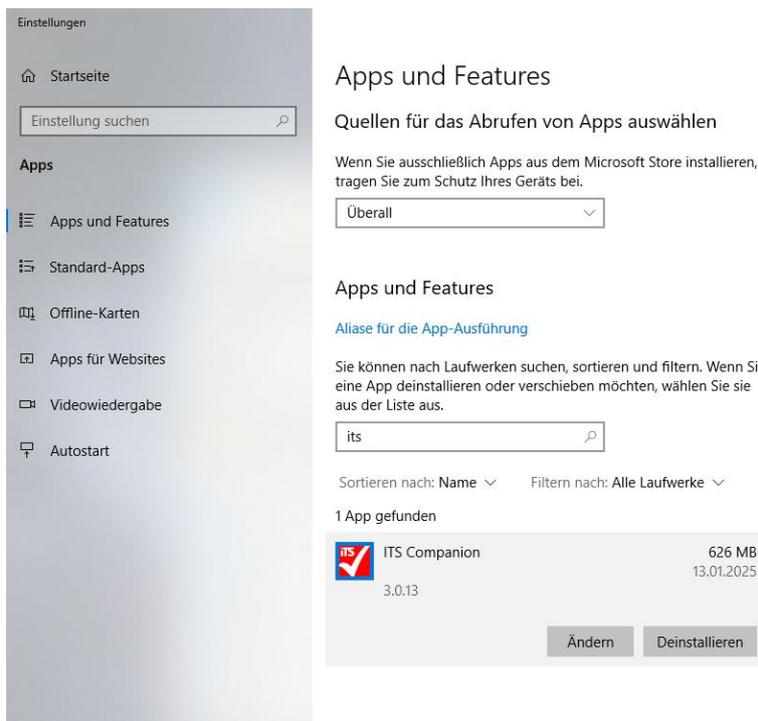


Click on it to see which version you currently have installed and which version is available. If you confirm this, the ITS Companion app is closed and a temporary folder with **setup.exe** and **ITS Companion Setup.msi** is opened. You can start the update process as a normal installation via the setup.exe. No settings and data from the previous version will be overwritten. Your license remains valid.

6. Uninstallation

To uninstall, use the Windows function "Add or remove programs" in the system settings.

Older (no longer used) versions of Companion can also be displayed here, which you can remove.



CREATED MACHINES AND THEIR REPORT FILES REMAIN IN THE FOLDER. THE LICENSE ALSO REMAINS IN THE INSTALLATION FOLDER AFTER UNINSTALLATION UNTIL IT IS DELETED MANUALLY.

7. Machine setup

Operating language of the program

You will find the button for selecting other languages in the top menu ribbon. The program closes automatically after you make a change. The selected language is now set when the program is restarted.

**INFO:**

THE LANGUAGE FOR THE GENERATED REPORTS CAN BE DEFINED SEPARATELY IN THEIR SETTINGS UNDER PARAMETERS.

Basic network setting

Although there are always internal network connections on the machine, these do not allow the connection parameters to be changed and are therefore unsuitable for connecting to the PC in your network.

An additional network card is required to connect the machine directly, which is offered as an **option** in conjunction with the **ITS Companion PRO version**. This additional network connection can usually also be retrofitted and activated.

This additional network connection is connected to your internal network via a standard Ethernet cable. It can be assigned a fixed IP address or supplied automatically from your network via address assignment using a DHCP server. The operating device then provides an FTP server from which the data is retrieved directly from the ITS Companion app.

For details on setting the network connection on the control unit, please refer to the machine operating instructions.

The connection between the PC and the machine's HMI touch panel runs as standard **FTP on port 21**.

Using the remote control function (Companion PRO version only) opens a **VNC connection on port 5900**.

If in doubt, talk to your network administrator about whether such a connection is possible within your network.

Create / manage machines

To use the program, you must create at least one machine as a virtual administration location for your local files.

The program automatically creates a unique folder below the program directory for each machine created, in which all files and settings are saved.

The folder name and its storage location cannot be set or changed. However, each individual folder can be copied and moved for backup purposes. Machine directories can simply be copied back into the program folder to restore them, e.g. for a new installation (also on other computers). The next time the program is started, these are automatically recognized and are available again.

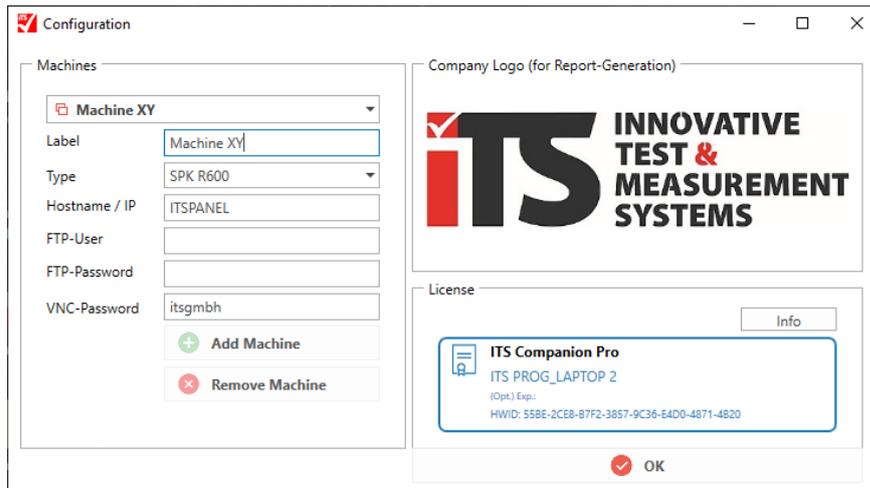
You can create and connect any number of machines with the ITS Companion PRO software. However, only one connection can be used at a time per program instance/program start.

INFO:

YOU CAN START THE ITS COMPANION APP MULTIPLE TIMES AND USE DIFFERENT MACHINES AT THE SAME TIME. THIS MAKES IT POSSIBLE TO MONITOR ONE MACHINE IN REMOTE CONTROL AND CREATE REPORTS OF TESTS CARRIED OUT IN A SECOND INSTANCE. ALL PROGRAM INSTANCES ACCESS THE SAME DATABASE, BUT CHANGES MAY ONLY BE APPLIED AFTER CHANGING THE MACHINE SELECTION OR RESTARTING THE APP.

Create new machine

Press the Configuration button in the ribbon and the following window will open.

Click on the (+) *Add machine* button and enter a name of your choice in the *Name* field.

Then select the *type* of machine. The list shows all ITS GmbH machine types that can be connected to the app.

In the *Hostname/IP* field, enter either the name of the operating device or the network IP address of the external network card. The host name is preset to *ITSPANEL* by default, but must match the actual network name of your operating device.

The *FTP user* and *FTP password* fields remain empty unless this setting has been modified on the machine from the default.

The *VNC password* field should be preset with the default password *itsgmbh*. A different password can also be set here on the machine, which must then be adjusted accordingly in this entry.

Confirm the entries with (✓) *OK*, the settings are now saved and the window is closed.

You can add any other machine in the same way.

INFO:

YOU CAN ALSO CREATE SEPARATE MACHINES WITH THE SAME SETTINGS TO MANAGE CERTAIN TEST JOBS, E.G. SEPARATED BY PROJECT OR CUSTOMER, TO MAKE IT EASIER TO SEPARATE THE REPORT FILES ON YOUR PC. ENTER A DIFFERENT NAME IN THE *NAME* FIELD FOR EACH MACHINE. THIS ALLOWS YOU TO ORGANIZE GENERATED REPORTS AS WELL AS THE PROGRAM RECIPES IN DIFFERENT FOLDERS.

Change settings

You can call up and adjust the entries at any time using the upper selection field Machines in the configuration window. The changes are saved with (✓) OK.

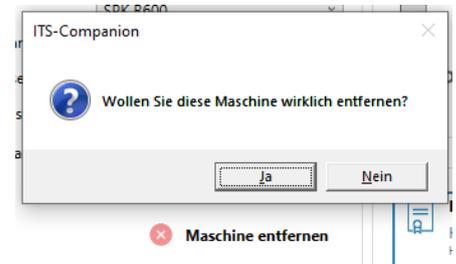
Remove an existing machine

Click on the (X) Remove machine button to delete it after confirmation.

ATTENTION!

ALL DATA FROM THE SELECTED MACHINE, INCLUDING REPORTS AND RECIPES THAT HAVE ALREADY BEEN CREATED, WILL BE IRRETRIEVABLY DELETED FROM THE LOCAL PC.

IT IS NOT POSSIBLE TO RESTORE THE DATA!



8. Retrieve CSV data from the HMI touch

Suitable machines from ITS GmbH can create a CSV file with measured values on the operating display for each test performed. Depending on the machine type, this recording technology is an optional extra, but can usually be retrofitted.

This recorded file can be downloaded to the PC after completion. It contains all parameters that can be set for any test and one line with actual values of the test per constant time unit. Of course, only those values can be recorded that are also installed in the machine as electrical sensors. Some values are also dependent on the test carried out and some sensors are optional, i.e. not available for every test variant.

INFO:

MAKE SURE THAT THIS RECORDING IS ACTIVATED **BEFORE STARTING**, OTHERWISE NO DATA WILL BE RECORDED.

The csv files have the name *Data_ + appended date _ time* in the format *Data_yyyymmdd_hhmmss.csv*. Depending on the machine and software version, the name can be entered before starting a test or is fixed (SK / SWK) to *DATA_....* .

Transfer via USB stick

With the ITS Companion App - **Basic** Version, you can only retrieve the recorded data from the machine operating display via USB stick.

Insert a commercially available USB stick into the socket on the machine's control panel/screen. After a short time, a window should show that it has been recognized and indicate that the data on the stick has been successfully backed up.

After a few seconds, you can close the info box and remove the USB stick from the socket. Operation/confirmation by the user is not necessary for this transfer action itself.

ATTENTION:

SOFTWARE **SK/SWK AND SPK/SRA (ONLY UP TO V5.X)**

The files are **moved** directly from the control unit to the USB stick and thus deleted on the control unit to free up the memory again!

This means that older recordings that have not yet been retrieved are also moved to the

USB stick and are no longer available on the control panel.

These .csv files are of course available to you as raw data if you want to carry out your own evaluation, e.g. with Excel.

SOFTWARE **SPK/SRA > V6x** (FROM 2020)

The files are also **copied** directly from the operating device to the USB stick but are **not deleted** on the operating device itself. You must press the button in the dialog box to delete the files locally and release the memory again!

Likewise, existing files on the USB stick are not overwritten again. Changes to these files are not transferred.

For further details on this transmission, please refer to the manual for your respective machine.

Transfer via network.

Only in the *ITS Companion Pro* version!

Recorded files can also be transferred directly from the ITS machine to the PC via an optional network connection.

An additional network connection is required on the machine side, which can be connected to your PC network. More details under ["Basic network setting"](#)

9. Create data report

Select the **Reports** command from the top menu:



Initially, nothing should change in the display, as no data files are yet available on your local PC. (Later, or if someone before you has edited files with this selected machine, these will be listed in the lower file window).

You must now first transfer data to the folder of your selected machine, for which the USB stick or network variant are available:

Local path - USB stick (all versions):

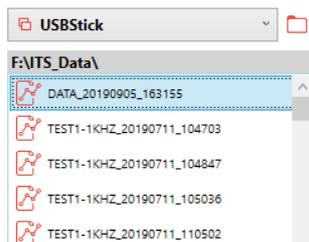
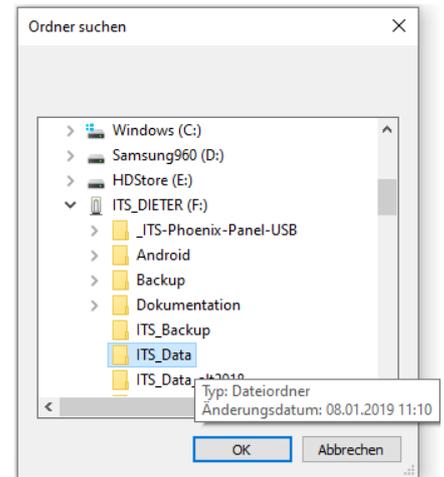


Provided that the .CSV files are already on the USB stick: (See chapter ["Transfer via USB stick"](#))

Insert the USB stick into your PC/computer, wait a moment until it is recognized by the system and then select the **Select folder** command from the top menu.

Navigate to the USB stick and select the folder **ITS_Data** in which all files from the machine's operating display are stored by default.

After confirming OK, the path is accepted.



A list of the .csv files that have been recognized appears immediately in the upper file list field.

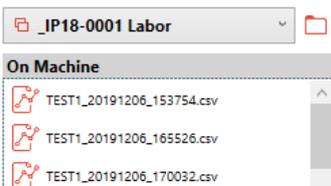
Alternatively, you can also copy the files manually to a local folder in your system or network path. Simply select this alternative path, the procedure is the same as for the USB stick.

Via direct network connection (only in the Pro and ProPlus version):

Select the **FTP Connect** command from the top menu:

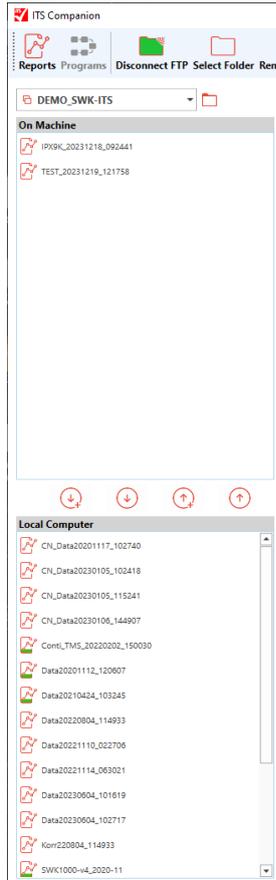


Once you have made the basic settings for the connection to a machine, the (.csv) files on the machine are directly available.



When the FTP Connect button is pressed, the color changes to green and the system regularly searches for new files on the machine via the network connection and updates this list.





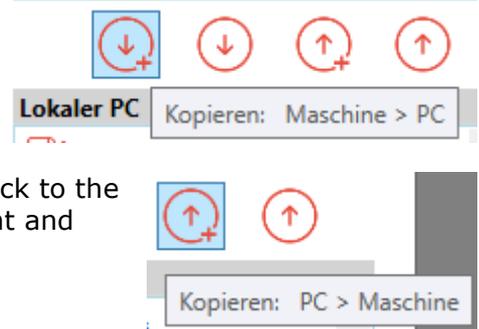
Report creation (all versions):

As soon as you select a file in the upper file window on the left (USB or network) and double-click on it, it is copied to the local machine directory.

ATTENTION! (WITH DOUBLE-CLICK)
 THE DATA FILE IS DELETED AT THE SOURCE (USB OR HMI DISPLAY) AND THE MEMORY SPACE IS RELEASED AGAIN. THE FILE IS NOW ON YOUR PC.

In addition to double-clicking on a machine file, these can also be transferred using the round control panels.

In addition to the standard "Move" function, copying (+) is also possible.



These files can also be transferred back to the machine via the two fields on the right and are then available again for another workstation, for example.

If you have already entered additional parameters in the report files, this data is also transferred to the machine and is visible to the next user.

Context menu / right-click

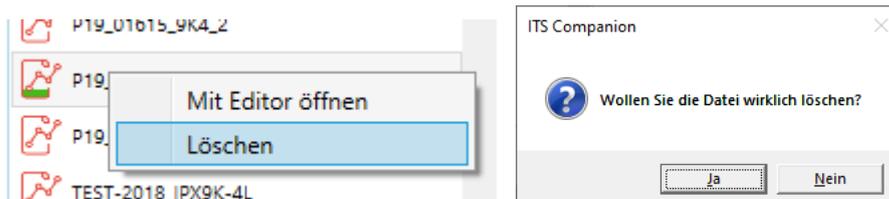
Right-click on a local file to open a context menu with further commands.

Open with editor The file is opened directly in an editor (Notepad).

CAUTION!
 IF YOU MAKE CHANGES DIRECTLY TO THE RAW DATA FILE, IT MAY BECOME CORRUPTED AND UNREADABLE FOR THE APP.

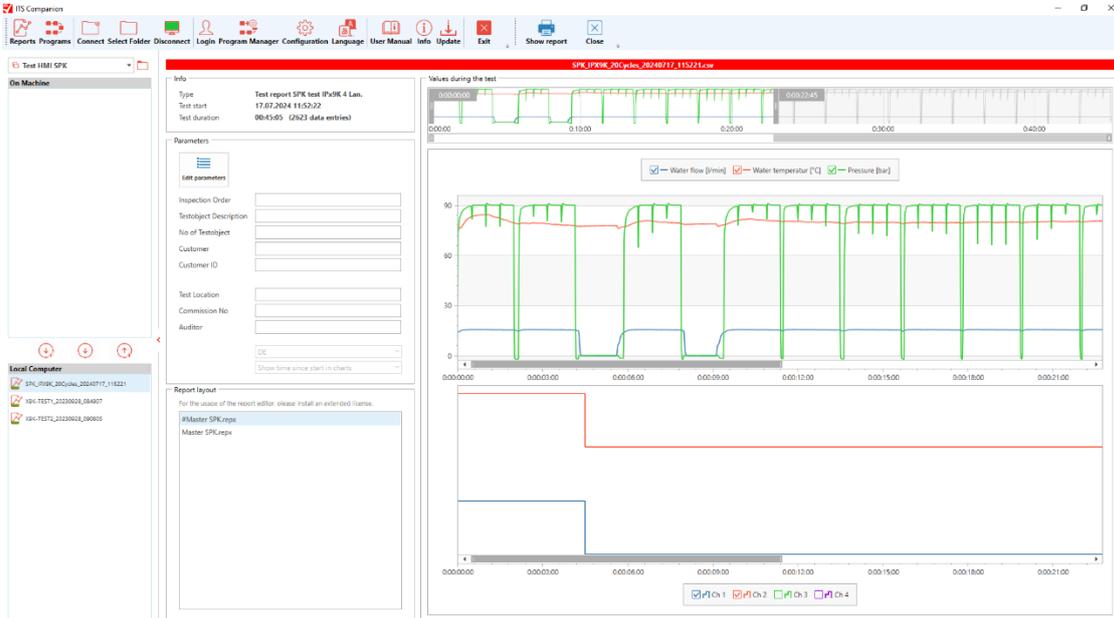
Delete The file will be deleted on request.

ATTENTION!
 FILES DELETED AT THE SOURCE CAN NO LONGER BE RESTORED!

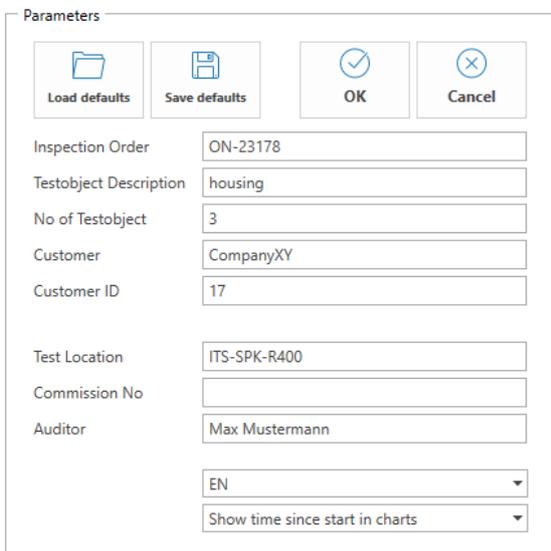


Adjust parameters for reports.

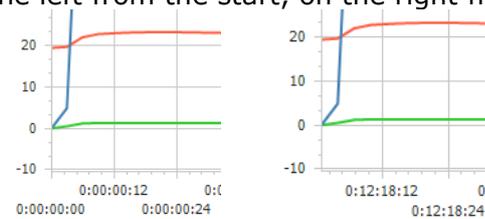
After transferring to the computer, you can open the csv file via Companion in the list at the bottom left by double-clicking on it. A graphical history of the available parameters is then generated from the data and displayed in the main window.



Information for the cover page of the report is displayed in the field on the left-hand side. To customize, click on **Edit parameters**. Enter the desired parameters.

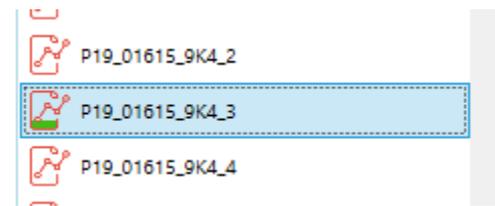


In the bottom two drop-down menus, you can switch the language of the report between German and English and select whether the time axis of the diagram should display the time from the start of the test or the absolute time (here on the left from the start, on the right from 12:18).

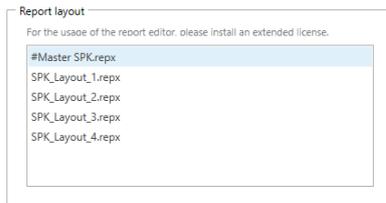


With the **Save default values** button, you can save a selected configuration and call it up again for all report files with **Load default values**. The displayed parameters are accepted for the selected report with the **OK** button and reset to the previous entries with **Cancel**.

This information is now permanently added to the report file, which is indicated by a green marker on the file. When the report is called up again by double-clicking on this file, the information and the selected language are automatically set again.



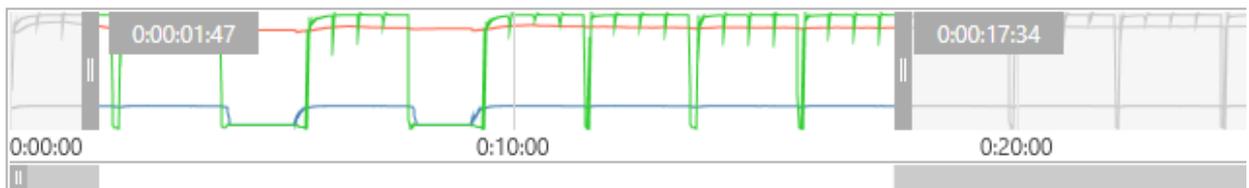
If you have entered parameters in the report files, this data is also copied or moved when it is transferred to the machine and is visible to the next user. In the file explorer, this is the file of the same name with the extension csv.params.



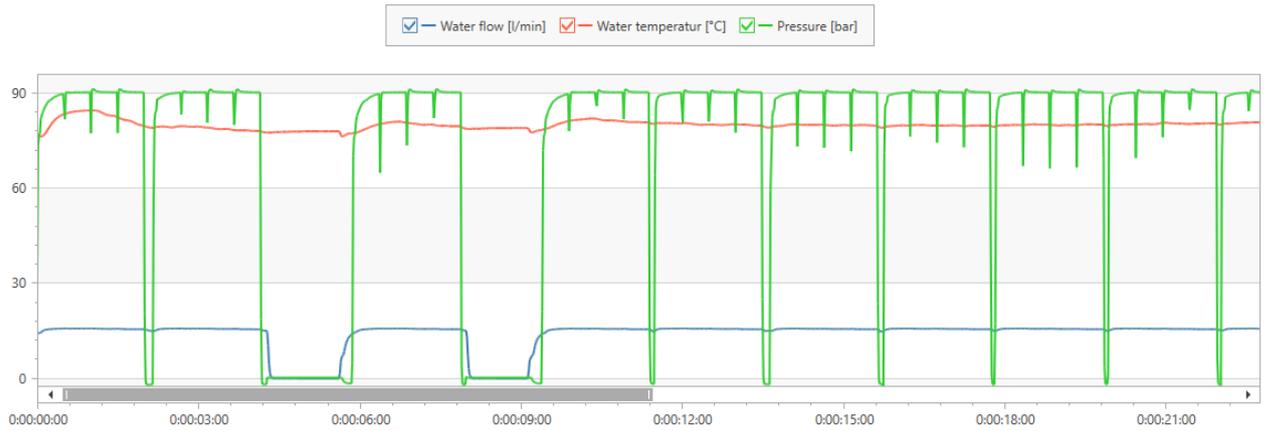
Various layouts can be selected in the lower field, with which the reports can be customized. This can be done by us or by yourself with the extended version Companion Pro Plus via an editor. If you are interested, please contact us at Support@iTS-GmbH.de.

There is a standard layout for landscape format and one for portrait format for all machine types.

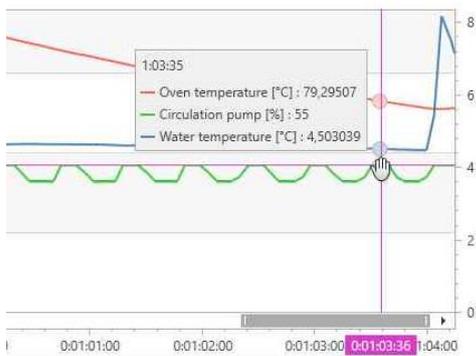
The graphics displayed in the report are edited on the right-hand side.



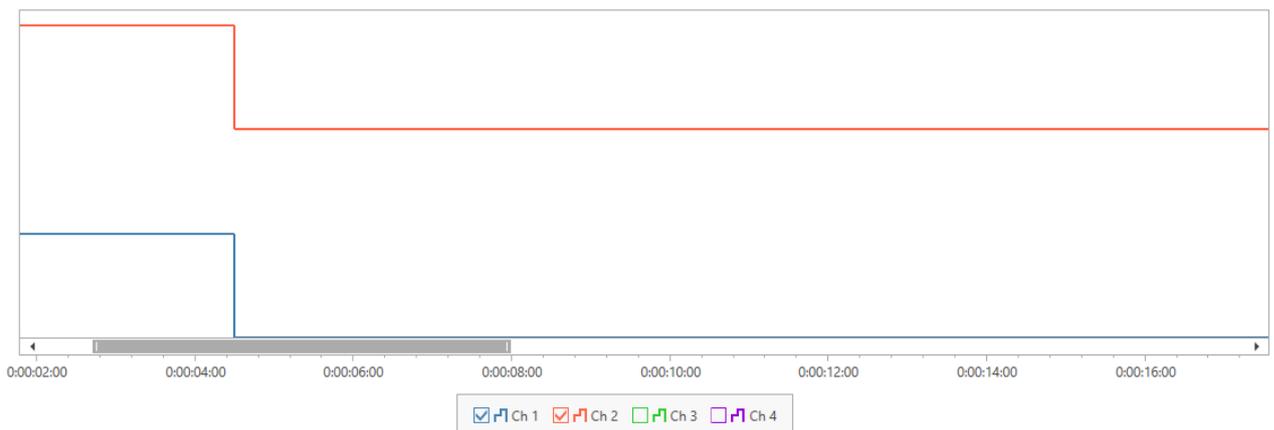
In the upper field, you can select which time period of the test should be displayed in the log. You can move the start and end bars as required. The selected period can be displayed later in the log. The time is displayed in the format d:hh:mm:ss. A thumbnail view of the measured values is displayed in the bar. The length of the selected window determines the scaling of the lower graphs. You can use the two scroll bars in the middle and bottom view to move the time period, but not to modify its length.



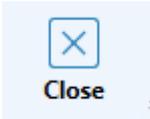
The selected measured values can be displayed in the middle field. The individual graphs can be shown or hidden by checking or unchecking the box in the legend. The measured values are all automatically scaled to the Y-axis with the unit specified in the legend. In the shock test (SWK), a second scale with a different scale is also displayed on the right-hand side.



The values at a specific point in time can be read off with the mouse pointer on the graph. You can use the mouse wheel to compress or stretch the time axis, which changes the time range set above.



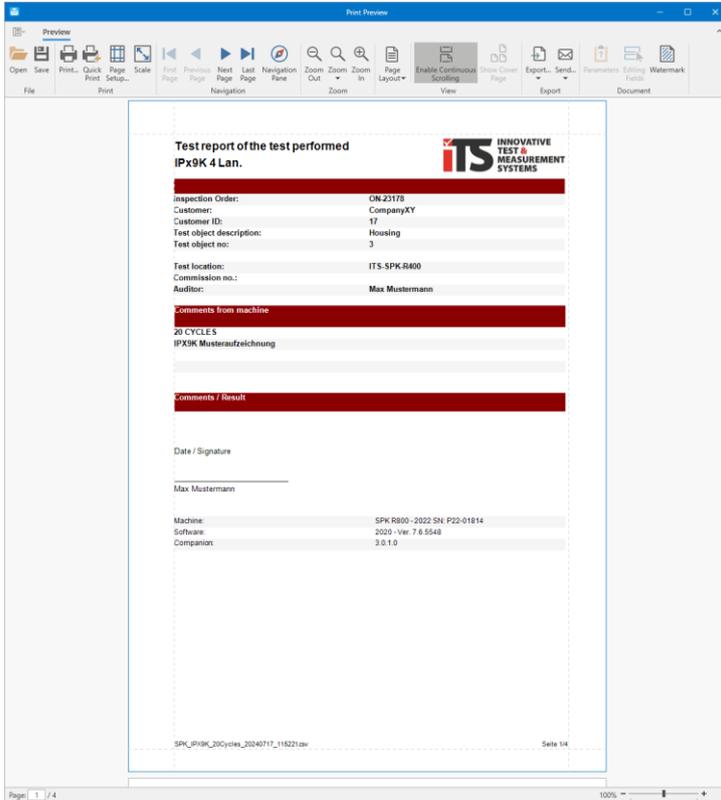
If available on the machine, the states of the digital channels are displayed in the lower field. The upper position of the bar corresponds to the ON state, the lower position to the OFF state.



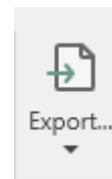
The editing mode of the report can be ended via **Close**.



Via **Show report**, a report is created from the selected parameters and the layout, which is opened as a preview in a new window.



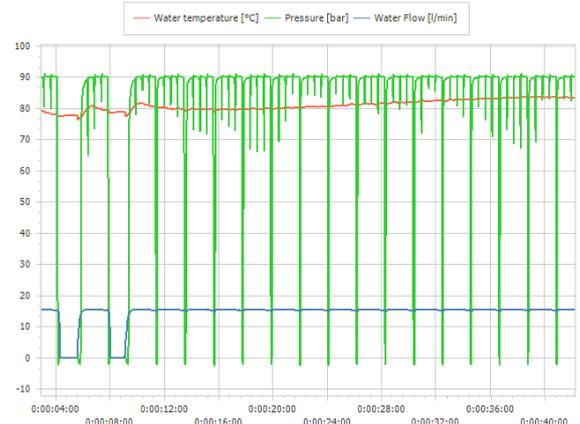
In the standard layout, this includes a cover sheet, a page with test parameters and two pages for the graphical representation of the measured values and digital channels, if available.



You can use Export to save the report as a PDF or DOCX (Word) file, for example.

The previously deactivated measured values are hidden in the progression graphs. If the time period has been limited, the graph only shows this area and the time section is noted in the report.

Values during the test



Test sequence and values

Depicted timeframe in this report		0:00:02:54 - 0:00:42:13
Ø Flow		14,45 l/min
Max. flow		15,73 l/min
Min. flow		0,00 l/min
Ø Pressure		78,84 bar
Max. pressure		91,15 bar
Min. pressure		-2,54 bar
Ø Temperature		80,92 °C
Max. temperature		83,80 °C
Min. temperature		76,08 °C

10. Remote control of a machine

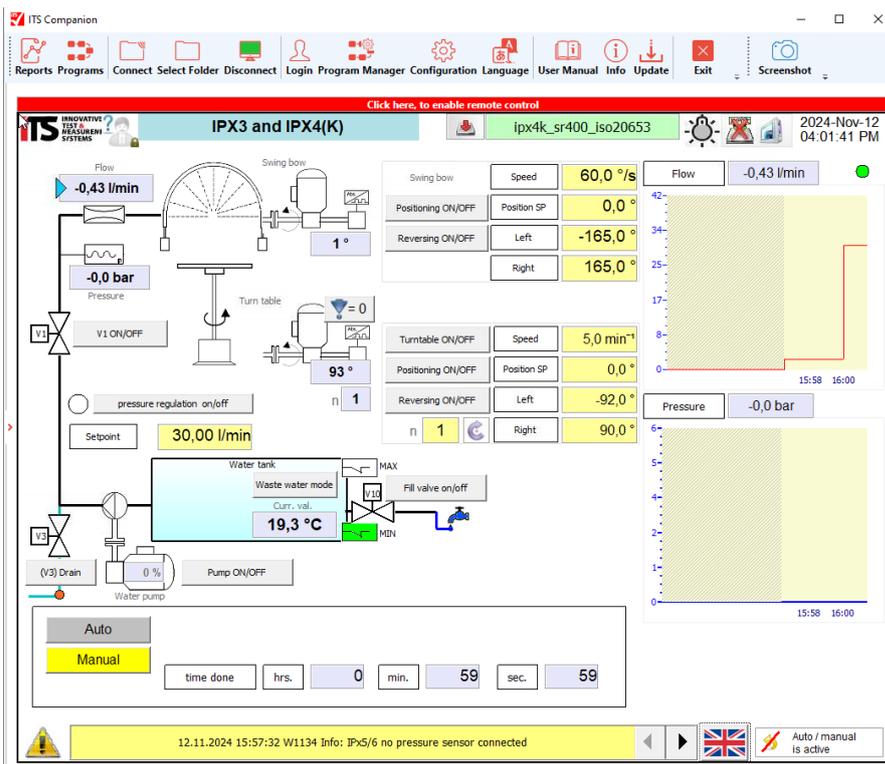
ONLY AVAILABLE IN THE ITS COMPANION PRO AND PRO PLUS VERSION!



If a network connection is available and the machine data has been set up appropriately under Configuration, you can operate the machine display remotely from your PC.

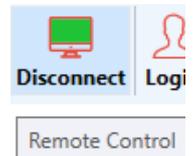
The machine's HMI touch panel must of course be switched on, the **Power on; Power or control voltage** switch must be activated.

After pressing the **Remote control** control panel in the upper menu band, the following window appears with the current system operation screen.



The button turns green and is now used to disconnect or deactivate the remote control function the next time it is clicked.

At the top of the online operating screen you will see a red bar indicating that you can currently only watch.



Click here, to enable remote control

After clicking on the red bar, it disappears from the display and the remote control is enabled. You can now perform all actions on the display, just like on the local display on the machine.

ATTENTION!
PLEASE NOTE THAT A TEST IN PROGRESS COULD BE INTERRUPTED OR DISRUPTED BY YOUR INTERVENTION IN THIS SCREEN! YOU ARE CONNECTED TO THE SAME DISPLAY THAT A LOCAL USER SEES ON THE MACHINE.

When remote control is active, you can use the buttons in the menu bar to compare the displayed scaling of Companion with that of the control panel and take screenshots. These are saved in the directory in which the reports for your machine are located.



11. Program templates (recipes)

ONLY AVAILABLE IN THE ITS COMPANION PRO VERSION AND FOR SPK/SRA!



Program files or recipes for new tests can be edited on the PC using this function, copied and transferred back to the machine's HMI touch panel.

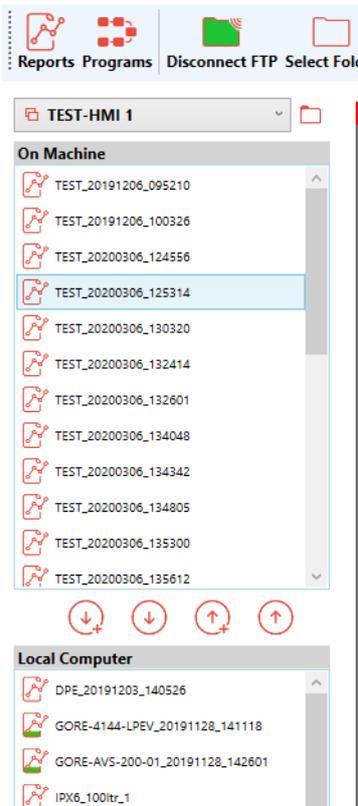
Transfer and open programs from machine.

After pressing the **Programs** control panel in the upper menu band, a list of possible machine functions for which programs (recipes) can be created appears.

If you select your desired machine function here, a list of the programs (recipes) available on your local PC for this test function will appear in the **Local PC** file list below. If you select **All**, you will see the complete list for all programs available on your PC. Depending on the machine equipment and configuration, tests/functions that your machine may not offer are also available here. You could even edit some of these programs, but your machine will not be able to use them. They will not be displayed or executed there.



The lower list (**Local PC**) is usually still empty when you call it up for the first time. You must first download at least one file from your machine for editing or transfer it to the **Local PC** list.

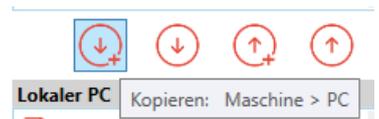


Click on **Connect** to display the programs of the selected category (or All) in the top list of the machine. In contrast to the way reports work, double-clicking here copies the program file (the recipe) to your local PC, not moving it.

This file will then open directly from your local PC in the editing view.

Double-clicking on another entry in the local list also opens this entry

In addition to double-clicking on a machine file, it can also be transferred using the round control panels. In addition to the standard "copy" function, it is also possible to move them.



ATTENTION! (WHEN MOVING)
 THE DATA FILE IS DELETED AT THE SOURCE (USB/HMI DISPLAY) AND THE MEMORY SPACE IS RELEASED AGAIN. DEPENDING ON THE DIRECTION, THE FILE IS NOW ONLY AVAILABLE AT THE NEW POSITION. IF THE FILE HAS BEEN REMOVED FROM THE MACHINE, FOR EXAMPLE, THE PROGRAM CAN NO LONGER BE CALLED UP THERE!

Edit programs.

The editor for programs is available immediately after double-clicking.

As in this image (example for testing with IPX3/4 swivel elbow), all parameters for machine settings are available here. The parameters that can be changed correspond to those that you can also specify directly on the machine on the HMI display.

Configure IPx3 / IPx4

IPX4_SR800_din_en_60529

DE mit Schwenkbogen R800\alle Schellen mit 0.8mm Düsen bestücken Operator

Duration of test

0 h 10 m 0 s

Water

Pressure regulation on/off

Pressure setpoint 1 bar

Flow setpoint 3.57 l/min

Water waste mode

Turn table

Turn table speed 2 1/min

Turn table continuous

Turn table reverse

Turn left angle -92 °

Turn right angle 90 °

Turn table positioning

Position 1 0 ° 0 m 0 s

Position 2 0 ° 0 m 0 s

Position 3 0 ° 0 m 0 s

Position 4 0 ° 0 m 0 s

Position 5 0 ° 0 m 0 s

Position 6 0 ° 0 m 0 s

Swing bow

Swing speed 0 °/s

Max left angle -170 °

Max right angle 170 °

In the header you will see the selected test variant and below it the file name of this program (recipe) as it is also shown on the HMI display of the machine.

In the gray selection field you will see the current language and on the right the information text / comment for this test for the selected language. You can enter a text for each language individually, but you can also leave individual languages blank.

DE mit Schwenkbogen R800\alle Schellen mit 0.8mm Düsen bestücken

EN
Drehteller

IPX4_SR600_iso20653*

IPX4_SR800_din_en_60529

Dateien mit * sind Schreibgeschützt

Dateibeschreibung Wurde zuletzt geladen

mit Schwenkbogen R800
 alle Schellen mit 0.8mm Düsen bestücken

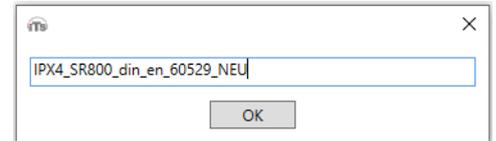
Further details on individual parameters and values that can be set here can be found in the operating manual for your machine.

Save programs and transfer them to the machine

Once you have finished making changes, you can **save** the program (recipe) using the corresponding button in the top menu ribbon. The changes are immediately saved in the open file.



You can use the **Save as** button to assign a new name and thus create a copy of the existing file in the local folder on your PC. You will then be prompted to enter a new name. The new file will immediately appear in the list on the left-hand side.

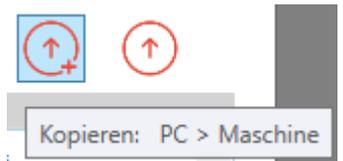


INFO:

IF THE ORIGINAL PROGRAM FILE IS WRITE-PROTECTED, YOU CAN STILL CREATE A COPY OF THIS FILE. A NEW FILE CREATED USING **SAVE AS** IS INITIALLY WITHOUT WRITE PROTECTION, BUT CAN BE EDITED DIRECTLY AND SAVED AGAIN WITH THE DESIRED WRITE PROTECTION (SEE NEXT CHAPTER).

Clicking on **Close [X]** immediately ends the editing of this file. The same applies as soon as you double-click another file in one of the lists on the left (Local or Machine) and thus open another file for editing. The application is also closed without prompting when the program ends. Changes are not saved.

The modified programs can then be transferred back to the machine using the two operating buttons. Either as a copy, the original also remains on the PC, or by moving it, the program is only available on the machine.



ATTENTION!

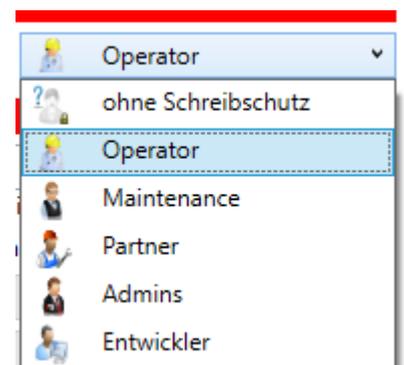
ONLY THE SAVED FILE OF THE PROGRAM IS TRANSFERRED. IF YOU HAVE NOT SAVED BEFORE, THE LAST SAVED VERSION WILL BE ACTIVATED ON THE MACHINE.

Programs write protection / access rights

You can see the current access protection on the right-hand side next to the file comment.

Each program (recipe) can be optionally write-protected and can then only be changed and overwritten by the user after logging in.

Various protection levels are available for access protection. On the machine display, this protection is shown as a program name with a * at the end. The protection level of the file is also displayed there and prevents changes on the machine display in the same way.



For the programs supplied by ITS GmbH, only the lowest level 1 = Operator is normally preset.

level 1 = **Operator** is preset and is primarily used to protect against accidental overwriting of the supplied programs (recipes) on your machine.

INFO:

THE USER NAME FOR **OPERATOR** IS: **USER** THE PASSWORD IS: **USER**.



When you click on the *Login* control panel, you will be asked for your user name and password.

Your current level is then listed in square brackets in the title bar.



Once a user with at least the displayed protection level has logged in, these files can be edited and overwritten without further ado. The logged-in user may also change the protection level, but only to their own level or lower protection levels. It is also possible to select *without write protection*, which then allows any user to make changes without restriction.

INFO:
PLEASE ASK YOUR SUPPLIER OR ITS GMBH
FOR THE ACCESS DATA FOR HIGHER PROTECTION LEVELS OF THE SYSTEM.

12. Program manager

ONLY AVAILABLE IN THE **ITS COMPANION PRO** VERSION!

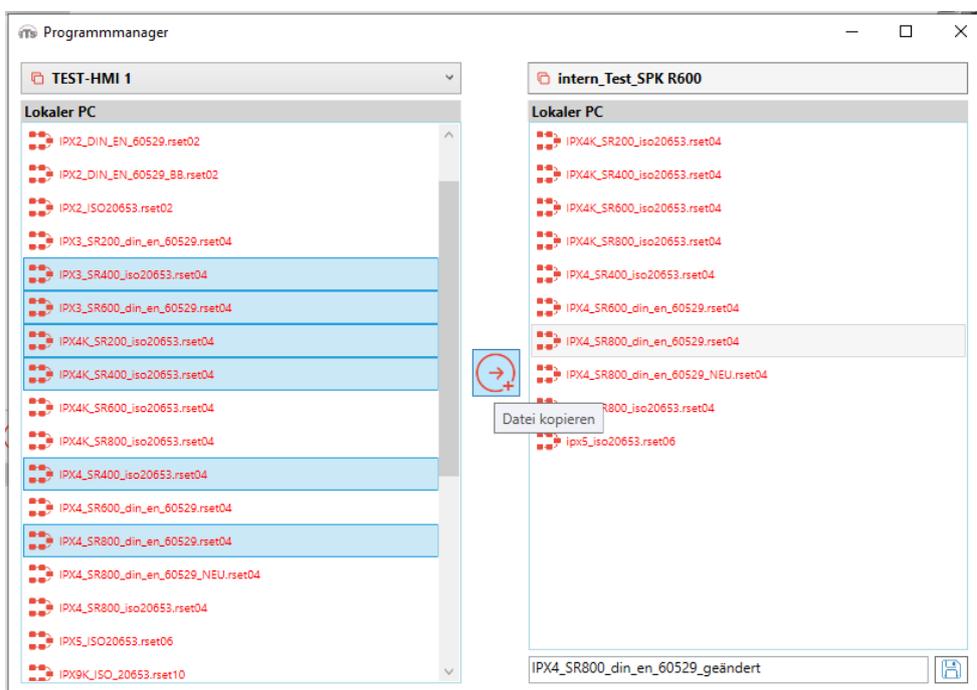


A *program manager* is available for the cross-machine administration of programs (recipes).

INFO:

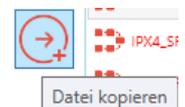
YOU CAN ALSO CREATE SEPARATE MACHINES WITH THE SAME SETTINGS FOR ADMINISTRATION PURPOSES, E.G. SEPARATED BY TEST ORDER, PROJECT OR CUSTOMER, TO MAKE IT EASIER TO SEPARATE THE REPORT FILES AND PROGRAMS ON YOUR PC. TO DO THIS, SIMPLY CREATE DIFFERENT MACHINES WITH THE SAME SETTINGS. ["CREATE / MANAGE MACHINES"](#)

Here you can now copy existing programs from another machine (or another project) to the active machine in the main window.



To do this, select the original system from which you want to copy the programs to your current machine in the top left selection window. You will see all programs (recipes) from the folder of this original machine in the left-hand window.

Select the desired files and press the *Copy files* button in the middle. You can also copy several files at the same time by selecting them using the *Shift* or *Ctrl* keys.



If the file name for a program already exists, a character string consisting of date + time is appended to the name.

Selected files in the right-hand list of the target machine can then be renamed using the edit field at the bottom right.

INFO:

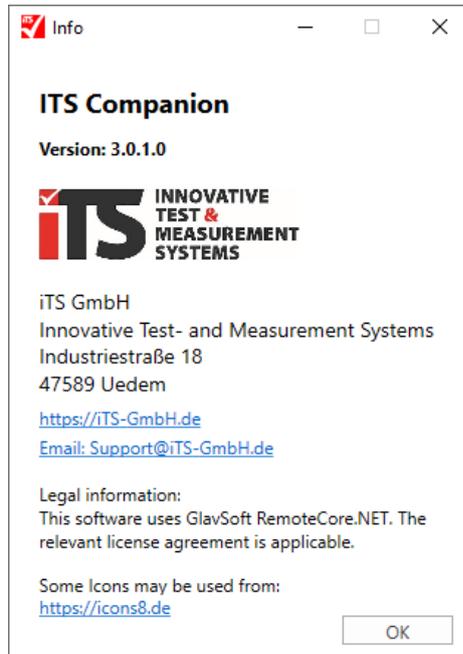
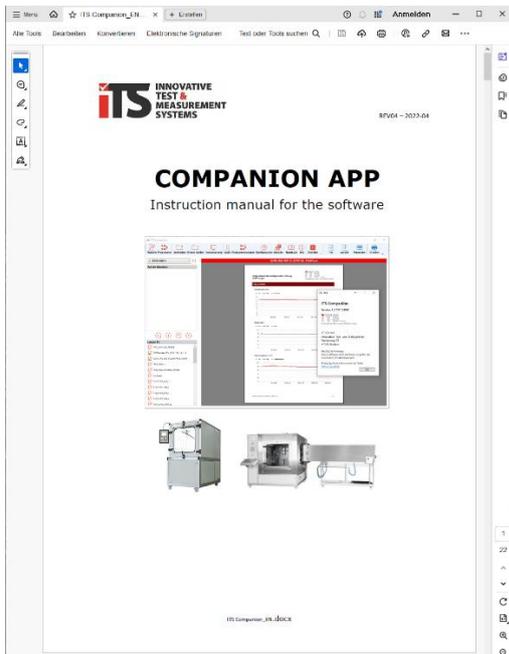
THE CONTENTS OF THESE FILES ARE NOT CHANGED AND PROGRAMS MAY BE DISPLAYED THAT ARE NOT AVAILABLE IN YOUR MACHINE BECAUSE THE NECESSARY EQUIPMENT IS NOT AVAILABLE.

13. Manual / Help / Info



The Manual button opens this documentation directly on the screen in the language currently displayed.

The Info button opens a window with copyright information and displays the version number of your current software.



INFO:

THE LINKS IN THE INFO WINDOW WILL TAKE YOU DIRECTLY TO THE ITS-GMBH WEBSITE [HTTPS://ITS-GMBH.DE/](https://ITS-GMBH.DE/) AND TO THE E-MAIL SUPPORT ADDRESS SUPPORT@ITS-GMBH.DE

NOTES:

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