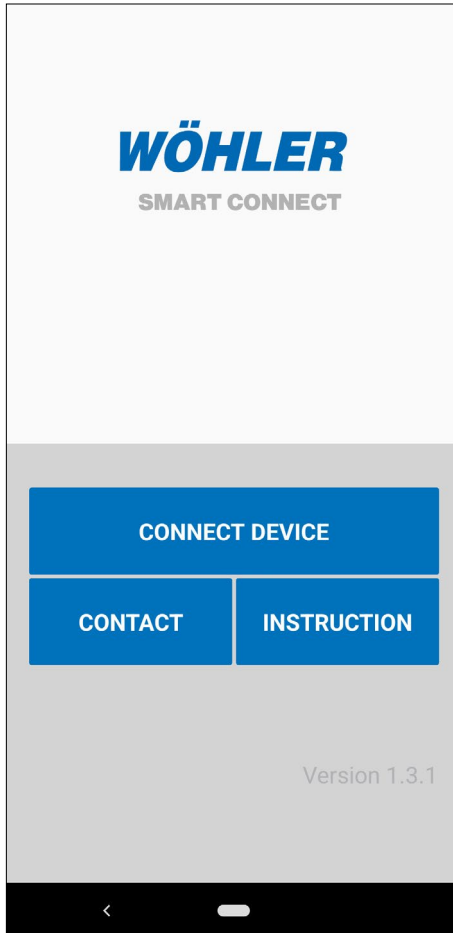




Operation Manual Wöhler Smart Connect App



Order No. 25127 – 2022-08-29

The Measure of Technology

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- 1 Address**

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- 2 How to use**

The Wöhler Smart Connect App can be connected via Bluetooth simultaneously to as many as 4 Wöhler Smart Connect devices. You can use the app for the following purposes:

 - to carry out settings on the Wöhler SC measuring unit
 - to control the measurements of the Wöhler SC measuring units
 - to manage measurement data and customer data
 - to create and send a measurement protocol in the form of a PDF file

- 3 System requirements which must be met by the terminal device**

The terminal device must be a Bluetooth-capable device with the following operating system:

 - Android 7.0 or higher
 - iOS 10.0 or higher

4 Installing the Smart Connect App



Fig. 1: Icon of the Wöhler Smart Connect App

- Install the Wöhler Smart Connect App “Wöhler Smart Connect” on your terminal device. Go to the Google Play Store (Android) or to the App Store (iOS).

The Wöhler Smart Connect App is available from there free of charge.

- Start the Wöhler Smart Connect App by tapping on the icon.



IMPORTANT!

When the app is started for the first time, it is in German language. The app language will change automatically to English as soon as the app is connected to an English SC unit.



IMPORTANT!

When the app is called up for the first time you will be asked if you want to permit access to your location. It is imperative to give permission in order to be able to work with the app. The request comes from Bluetooth; the Wöhler app never accesses the data on your terminal device.



IMPORTANT!

Active fields in the Wöhler Smart Connect App are shown on a blue background, inactive fields are shown on a gray background. The app view might vary depending on the device connected. Fields are actively presented by the app only when they play a meaningful role in the use of the connected device.

5 Connection set-up

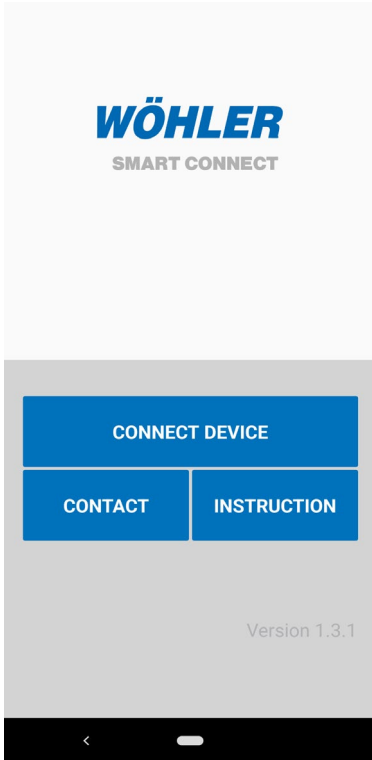


Fig. 2: Start screen of the Wöhler Smart Connect App

- Switch on the Wöhler SC.
- The connection symbol in the header line on the Wöhler SC display will blink. The device is ready for coupling.
- Position the Wöhler SC in relation to the mobile terminal device such that a connection can be created with Bluetooth.



IMPORTANT!

Up to 4 Wöhler SC devices can be connected simultaneously with the app.

- Tap on CONNECT DEVICE on the start screen. (GERÄT VERBINDEN) for the first time.)

Connection set-up

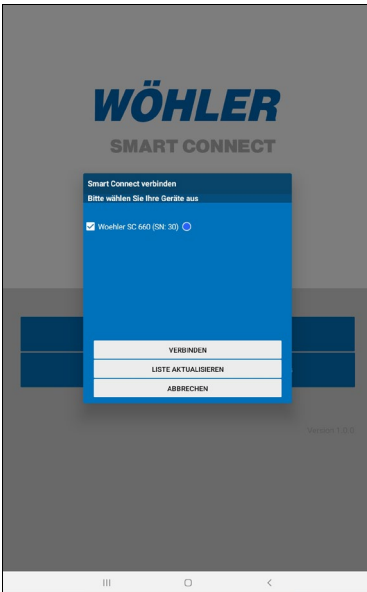


Fig. 3: Connection set-up

The Wöhler SC devices within range of the terminal device will then be indicated. Each is followed in brackets by its serial number. You will find the serial number on the label attached to the back of each Wöhler SC device.

- If this is not the case, tap on “Update the list”.
- Tap on the checkbox to select the Wöhler SC device with which you want to connect the Wöhler Smart Connect App.
- Tap on “Connect”.



IMPORTANT!

When you call up the Wöhler Smart Connect App again later, the Wöhler Smart Connect App will connect automatically with the Wöhler SC device.

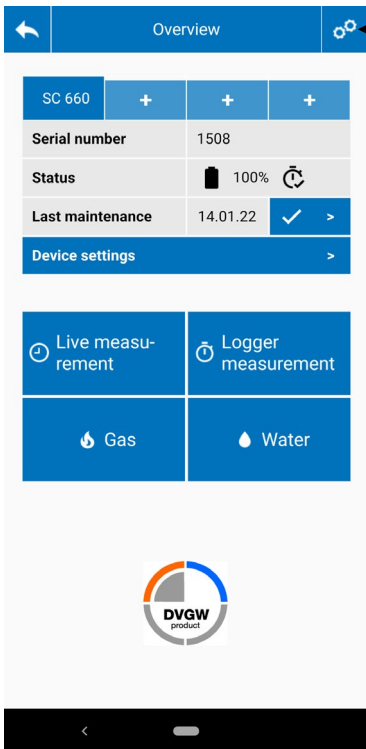


Fig. 4: Overview screen

Connecting and disconnecting Wöhler SC devices

The overview screen will open after a few seconds.

Here you can see for example the “last maintenance” date. If a warning symbol appears alongside, maintenance is due in order to meet the requirements on precision. If there is a tick mark alongside the maintenance date (see the adjacent screenshot), the device meets the maintenance requirements.

Tap on the cogwheel symbol in the header in order to move to the app’s settings. Here you can end the connection.

The second line shows the Wöhler SC devices with which the Wöhler Smart Connect App is connected (in the screenshot shown alongside there is only a Wöhler SC 602).

Tap on the Wöhler SC device whose measurement results you want displayed. The box of the selected Wöhler SC device is slightly enlarged.

- Tap on a “+” if you want to connect more Wöhler SC devices with the app.

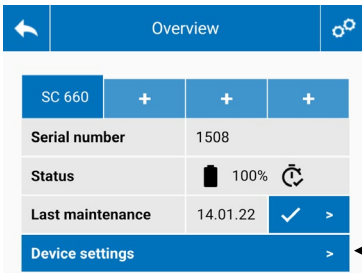


IMPORTANT!

You can connect up to 4 Wöhler SC devices with the app.

- To stop and delete the connection (the connection will not be reactivated automatically when the device is switched on again), go to the general settings (cogwheel symbol in the header).
- Tap on “Delete known connections”.

6 Device Settings



- To enter the device settings, select the device on the overview screen and tap on “Device settings”.

Fig. 5: Overview screen – Device settings

- 6.1 Allocating a color code** If you are working with several Wöhler SC devices it makes sense to allocate a different color code to each device as a simple means of identification which can then also be used to distinguish between the measurement data in the app.



Fig. 6: Example: The Wöhler SC 660 identified with a red dot

- Begin by sticking a colored dot (included in delivery) on your Wöhler SC device.

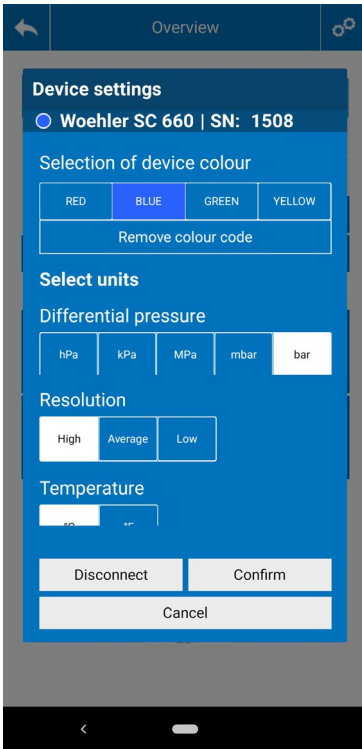


Fig. 7: Carrying out settings on a Wöhler SC device (1)

- If you are working with several Wöhler SC devices, allocate the color of the dot which you stuck on the device to the corresponding device in the app. This way you can distinguish easily between the measurement values shown in the app.
- Here you are able to remove again the color previously allocated.
- Select the unit of pressure and the unit of temperature which are to apply in the display of the selected SC device.
- Select the resolution which is to be used to display the measured pressure value.
- Select whether you want the device to switch off automatically after no buttons have been pressed for one hour.

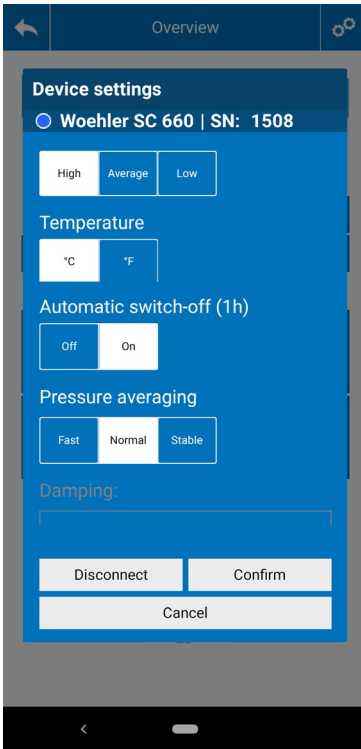


Fig. 8: Carrying out settings on a Wöhler SC device (2)

- Pressure averaging: Here you can switch between “Fast” (every measurement value is indicated), “Normal” (the average of the last 4 seconds is indicated), and “Stable” (adjustable damping).
- Damping: If stable pressure measurement is selected, damping can be increased using the sliding bar in order to obtain a more stable measurement signal. This results simultaneously in a slower measurement display.

Setting range 1% – 99 %

1%: is equivalent to “normal” pressure averaging

99 %: extremely stable and slow measurement display

- Confirm your settings.
- Tap on “Cancel” if you do not want to adopt the settings.
- Tap on “Disconnect” if you want to end the connection between the app and the selected device.

7 Live measurement (Wöhler SC 602 and Wöhler SC 660)

7.1 Live measurement

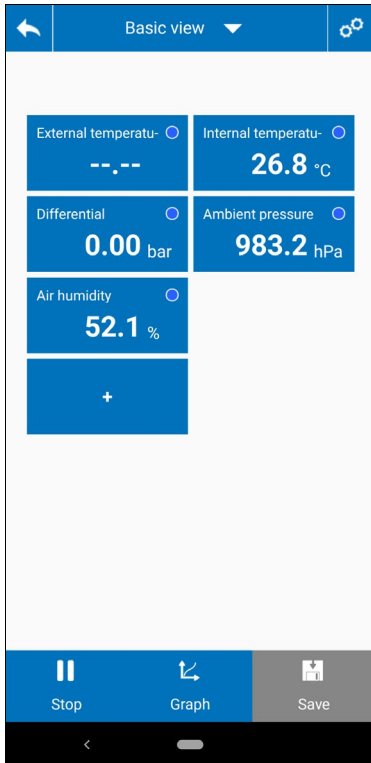


Fig. 9: Live measurement

In the “Live measurement” menu you are shown all the measurement data which are currently being measured by the connected Wöhler SC devices. The measurement data are updated every second.



IMPORTANT!

The external temperature will be indicated only when a corresponding temperature sensor is connected.

7.2 Configuration of the live view

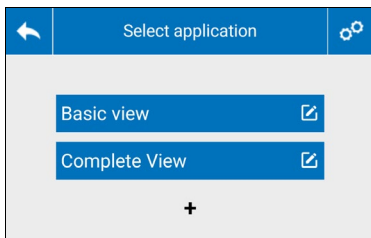


Fig. 10: Live views (example)

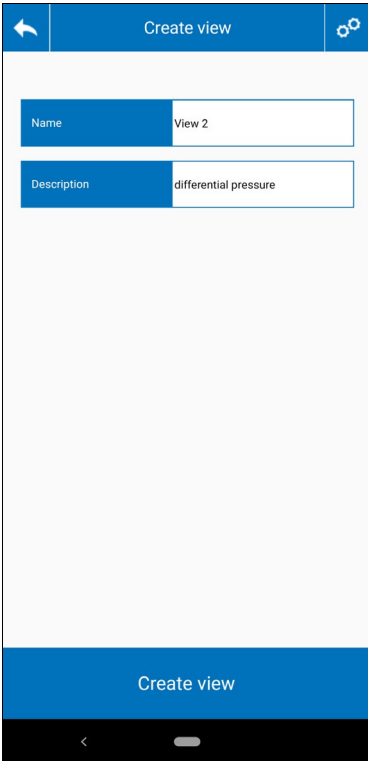
Here you can configure the view of the live measurement:

- Tap on the drop-down menu in the header. In the following display you will be shown all the previously defined views.
- Tap on “+” to generate a new view.



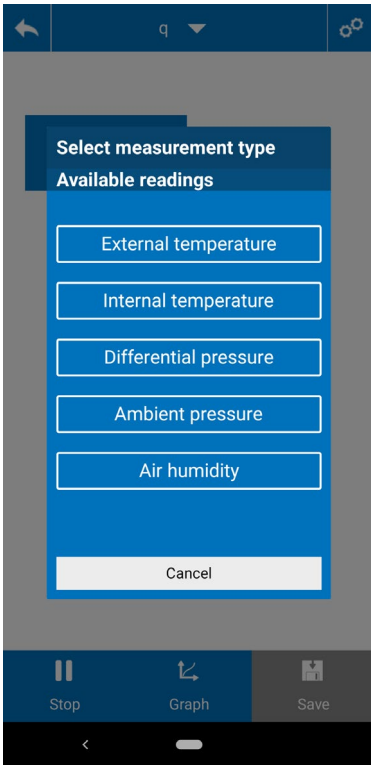
Fig. 11: Processing icon

- To delete a view, tap on the processing icon alongside the view.



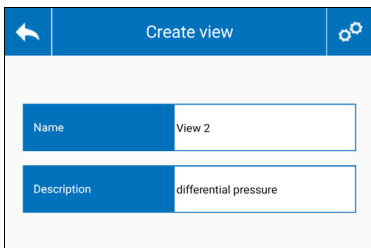
- Enter the name and a description of the new view.
 - Tap on "Create view".
- "+" will appear in the display.

Fig. 12: Name for a new view



- Tap on “+”.
- Select the Wöhler SC devices and the measurement values you want shown.

Fig. 13: Creating a new live view



- Tap on the back arrow in the header in order to return to the overview screen. (There is no need to save the values first.)

The newly created view will appear in future in the drop-down menu “Views” in the header of the “Live measurement” menu.

Fig. 14: Create a new view

Removing or changing measurement values

You can edit every live view at any time:

- Tap on a measurement value field.

You can now either set the corresponding sensor to zero, or delete the measurement value from the view, or enter a different measurement value in its place.

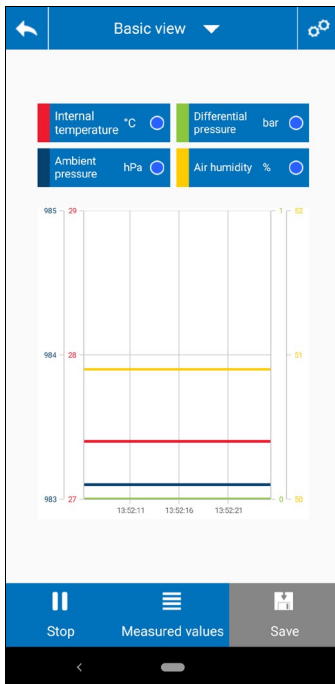


Fig. 15: Stopped live measurement, graphics display

- Tap on the graphics button in the live view in order to display the trend in the measurement values.

You can have up to 4 measurement values displayed simultaneously in the graphics.

- Tap on a colored field and select the device and the measurement value which you want to have presented in this color.
- To return from the graphics display to the display of numerical measurement values, tap on the measurement values button.
- Tap on the stop button in the footer in order to end the live measurement.

When measurement has been stopped, the save button is active.

- Tap on the save button in order to dispatch a PDF file of the measurement protocol by Email or Messenger Service.

8 Logger measurement (Wöhler SC 602 and Wöhler SC 660)

In the “Logger measurement” menu you can start a long-term data recording with the Wöhler SC device.

Each new logger measurement overwrites the data of the previous measurement in the measuring unit. Before the system begins, it asks therefore whether you want to save the existing data.

- The first thing to do at the start of a new measurement is to enter the settings for the logger measurement in the app.



IMPORTANT!

Because the measurement data are saved in the Wöhler SC device, it is possible to disconnect the Bluetooth link between the app and the measuring unit during the logger measurement. In this case the display of the Wöhler SC device will switch off.

Scope

9000 measurements, each with a pressure and moisture measurement as well as 2 temperature measurements (with an external sensor plugged in)

Measuring interval

Freely selectable in the range from 1 s to 24 h

Presets for the logger measurement

- Select in the main view the SC device with which the logger measurement is to be carried out.

Logger measurement (Wöhler SC 602 and Wöhler SC 660)

Logger measurement

Woehler SC 660 | SN: 1508

0.00 bar >0<

Measurement interval	00:00:01
Number of measurements	9362
Measurement time	2h 36m 2s
Start time	Immediately
Final time	25.08.2022 16:31:41

Start logging

- Open the logger measurement menu.
- Enter the measuring interval and the number of measurements.

The app will then calculate the duration of the measurement automatically.

- Enter the start time.

The app will then calculate the end time automatically.

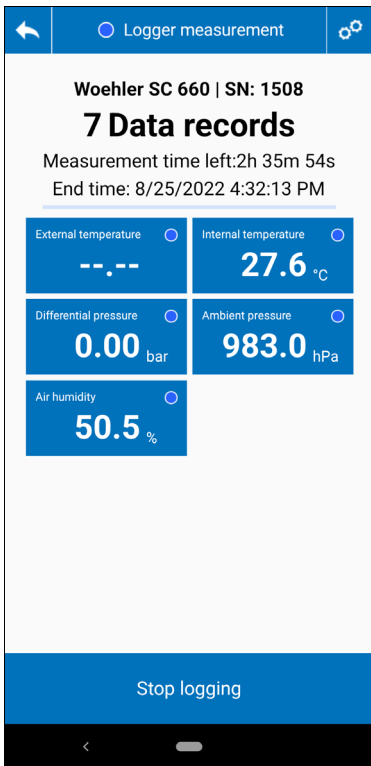


IMPORTANT!

The start time can be immediate or in the future.

- Start the logger measurement. The first data recording will then take place at the start time.
- The word “Log” will blink in the footer of the SC device.

Fig. 16: Presets for the logger measurement



- A status display in the app will show the progress in the logger measurement.

Fig. 17: Display during logger measurement

The measurement data will be read out in the app when the logger measurement comes to an end. Any existing older logger data will be overwritten.

Logger measurement (Wöhler SC 602 and Wöhler SC 660)

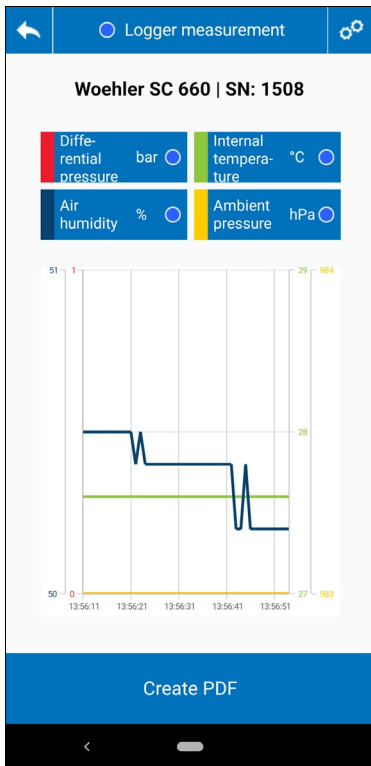


Fig. 18: Graphic view of the logger data

The trend in the measurement data is then displayed in a graph.

You can have up to 4 measured variables displayed simultaneously in the graph.

- Tap on a colored field if you want to delete a measured variable from the graph or if you want to insert it again.
- Tap on “Create PDF” if you want to create a PDF data protocol with the settings of the logger measurement and the graph.
- Tap in the PDF on the share button in the footer if you want to dispatch the protocol by Email or Messenger Service.

9 Gas and water menus

The measurements of the “Gas” and “Water” menus cannot be carried out with all Wöhler Smart Connect devices. These menus are described therefore in the operation manual of the respective device.

Gas (stress test, tightness test and leakage rate test)

Wöhler SC 602 Smart Connect

Water (stress test and tightness test with air)

Water

Wöhler SC 660 Smart Connect