



PCE Instruments PCE-555BT Humidity Meter App User Manual

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PCE Instruments PCE-555BT Humidity Meter App



Product Information

The PCE-555BT is a device that can be connected to a smartphone via Bluetooth to measure various parameters. The device is operated using a mobile app called PCE-555BT, which is available for both Android and iOS operating systems. The app can be downloaded from the Google Play Store or Apple App Store.

System Requirements

- Android:
- iOS:

Description of the User Interface

The main window of the app is divided into two sections:

- The upper toolbar contains a menu button and a side menu that contains software and company information.
- Below the toolbar are six buttons that represent various functionalities like Bluetooth connections, measurements, sharing, data, calibration, and export.

Individual Icons of the Main Menu

- Main menu
- Open window for Bluetooth connections
- Open window for measurements
- Open window for sharing
- Open window for data
- Open window for calibration
- Open window for export
- Open side menu
- Connection window
- Device disconnected
- Device connected
- Search for Bluetooth devices
- Disconnect device
- Back to main menu
- Measure window
- Open settings window
- Initiate new measurement
- Back to main menu
- Start measurement
- Measurement settings
- Share window
- Back to main menu
- Share selection via messenger
- Select a measurement
- Data window
- Back to main menu
- Open window for measurement data
- Open options menu
- Rename data record
- Delete data record

Product Usage Instructions

First Use of the App

1. Install the PCE-555BT app on your smartphone.

2. Connect the device to your smartphone via Bluetooth.
3. To initiate a new measurement, tap the 'Initiate new measurement' button.

Connect to the Meter

1. Open the app on your smartphone.
2. Tap the 'Main menu' button.
3. Select 'Open window for Bluetooth connections' from the menu.
4. The app will automatically search for available Bluetooth devices.
5. Select the PCE-555BT device from the list of available devices.
6. The app will connect to the device automatically.

Disconnect from the Meter

1. Tap the 'Main menu' button.
2. Select 'Disconnect device' from the menu.
3. The app will disconnect from the PCE-555BT device.

Make a Measurement

1. Connect the PCE-555BT device to your smartphone via Bluetooth.
2. Tap the 'Main menu' button.
3. Select 'Open window for measurements' from the menu.
4. Tap the 'Initiate new measurement' button.
5. Select the parameter you want to measure.
6. Follow the on-screen instructions to take the measurement.

Device Settings

1. Connect the PCE-555BT device to your smartphone via Bluetooth.
2. Tap the 'Main menu' button.
3. Select 'Open settings window' from the menu.
4. Adjust the desired settings.

Safety notes

Acquaint yourself with the operation of the measuring device before using it in combination with the app. For this purpose, use the instruction manual which comes with your PCE product. All safety notes from the device's manual have to be observed as well when the device is used with this app.

The device and the app may only be used by qualified personnel. Damage or injuries caused by non-observance of the manuals are excluded from our liability and not covered by our warranty.

We do not assume liability for printing errors or any other mistakes in this manual.

We expressly point to our general warranty terms which can be found in our general terms of business.

If you have any questions, please contact PCE Instruments. The contact details can be found at the end of this manual.

Notes

The manual is based on an Android operating system. When using different platforms (e. g. iOS app), deviations may occur regarding the use and how icons are displayed.

System requirements

- Android version 9 Pie (API 28) or higher
- Bluetooth interface (version 4.2)
- Screen size 5.71 inches
- A minimum resolution of 1520×720 pixels
- Processor: ARM Cortex-A53, 2000 Mhz, 4 cores
- 2 GB RAM recommended

iOS:

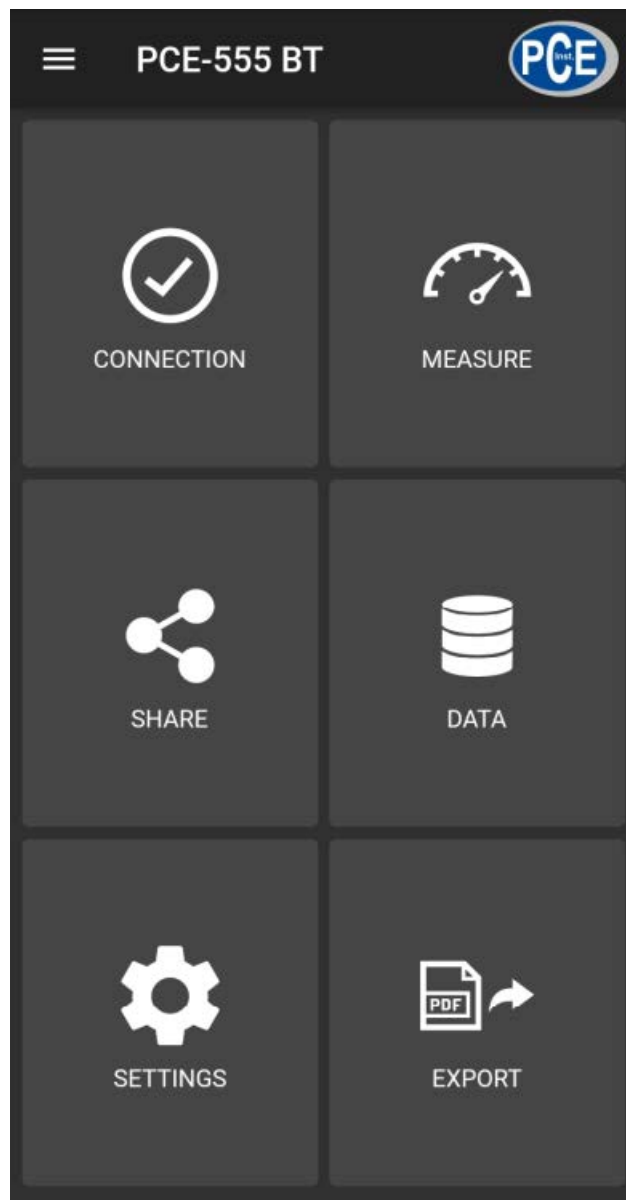
- Current iOS Version
- Bluetooth interface (version 4.2)
- Screen size 5.8 inches
- 2 GB RAM

Installation

Please download the app from the Google Play Store or Apple App Store and install it on your smartphone. Then check and grant the access permissions for the location and memory.





Description of the user interface













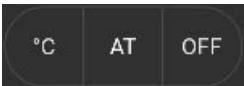





The main window is composed of two sections. In the upper toolbar, there is a menu button on the left which opens a side menu. The side menu contains menu items for software and company information. More detailed information about these menu items will follow below.


















Below the toolbar, there are six buttons, each representing a functionality.

Meaning of the individual icons of the main menu

Main menu		
		
		Open window for measurements
		Open window for sharing
		Open window for data

		Open window for calibration
		Open window for export
		Open side menu
“Connection” window		
		Device disconnected
		Device connected
		Search for Bluetooth devices
		Disconnect device
		Back to main menu
“Measure“ window		
		Open settings window
		Initiate new measurement
		Back to main menu
		Start measurement
		Measurement settings
“Share” window		
	Back to main menu	
	Share selection via messenger	
	Select a measurement	
“Data” window		
	Back to main menu	
	Open window for measurement data	

	Open options menu	
	Rename data record	
	Delete data record	
“Export“ window		
	Select a measurement	
	Export selection	
	Back to main menu	
“Settings“ window		
	Back to main menu	
	Automatic shutdown	
	Turn meter's backlight on	
	Change temperature unit	
	Min/Max function	
	Wet bulb temperature and dew point temperature	
	Hold function	
Side menu		
	Open window for software and company information	
	Open window for user manuals	

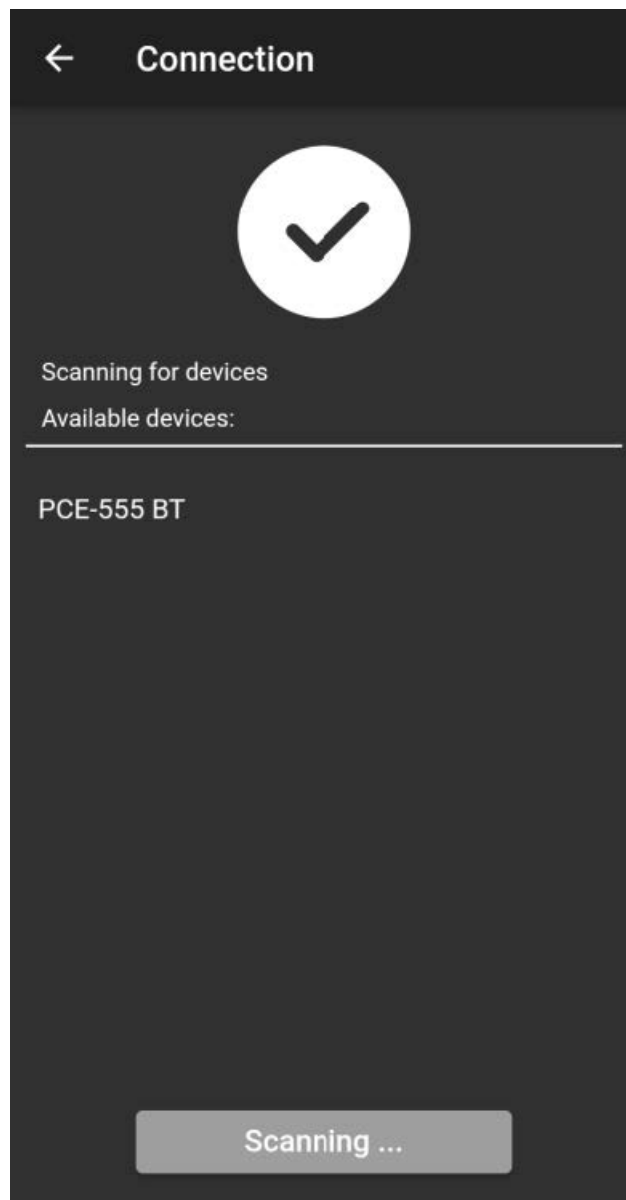
Operation

First use of the app

Before the meter can work with the app, make sure that Bluetooth is activated on the smartphone as well as on the PCE instrument. Furthermore, the access permissions for location and memory must be granted. These are used exclusively to search for Bluetooth devices in the direct vicinity and to save the measurement data to the smartphone as PDF and CSV files. The permissions can be granted, depending on the device, via Settings -> Apps -> PCE-555BT -> Permissions. After the access permissions have been granted, the app can be used to its full extent. On Apple smartphones, the app settings can be found under Settings -> PCE-555BT.

Connect to the meter

After starting the app, a Bluetooth connection to the meter can be established. It must be ensured that the smartphone and the meter are not more than 5 m apart. To establish the connection, navigate to the corresponding menu by tapping on “Connection” in the main menu. Bluetooth connections can be managed under “Connection”. To establish a connection, a suitable meter must be searched for. This can be initiated by tapping on the “SEARCH DEVICE” button. The devices found are then displayed in a list, see figure.



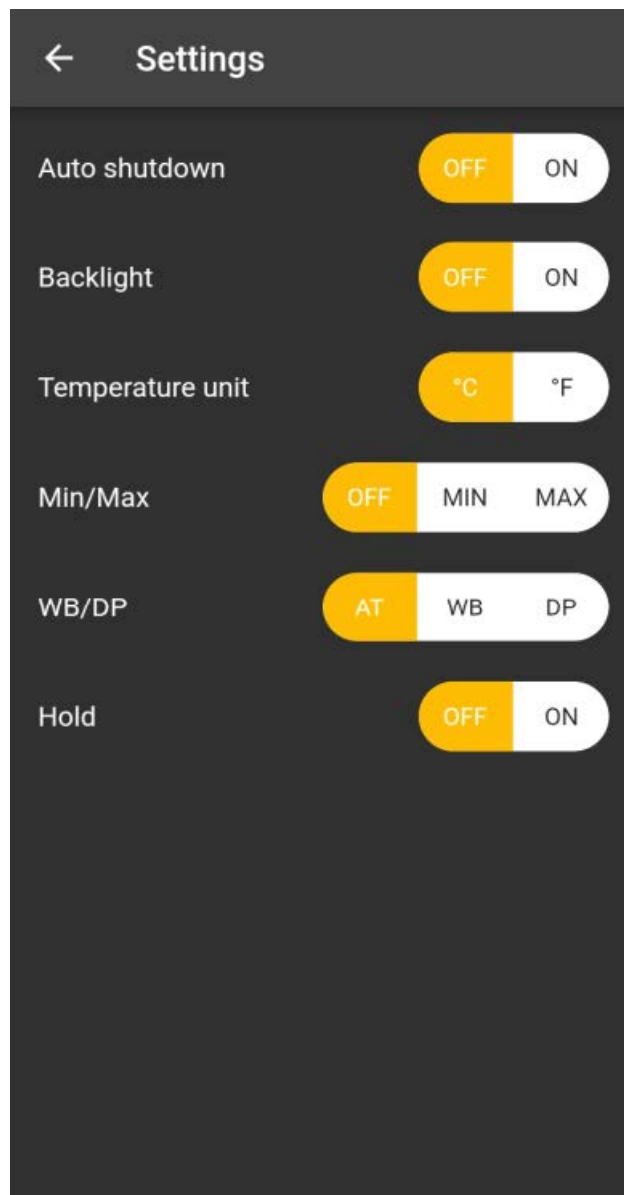
Once the meter has been found, a connection can be established by tapping on the meter in the list. After the connection has been successfully established, the user immediately receives a confirmation on the display that the devices are connected and is forwarded directly to the main menu.

Disconnect from the meter

Tap on the icon to disconnect the meter. Closing the app while the Bluetooth connection is active disconnects the devices.

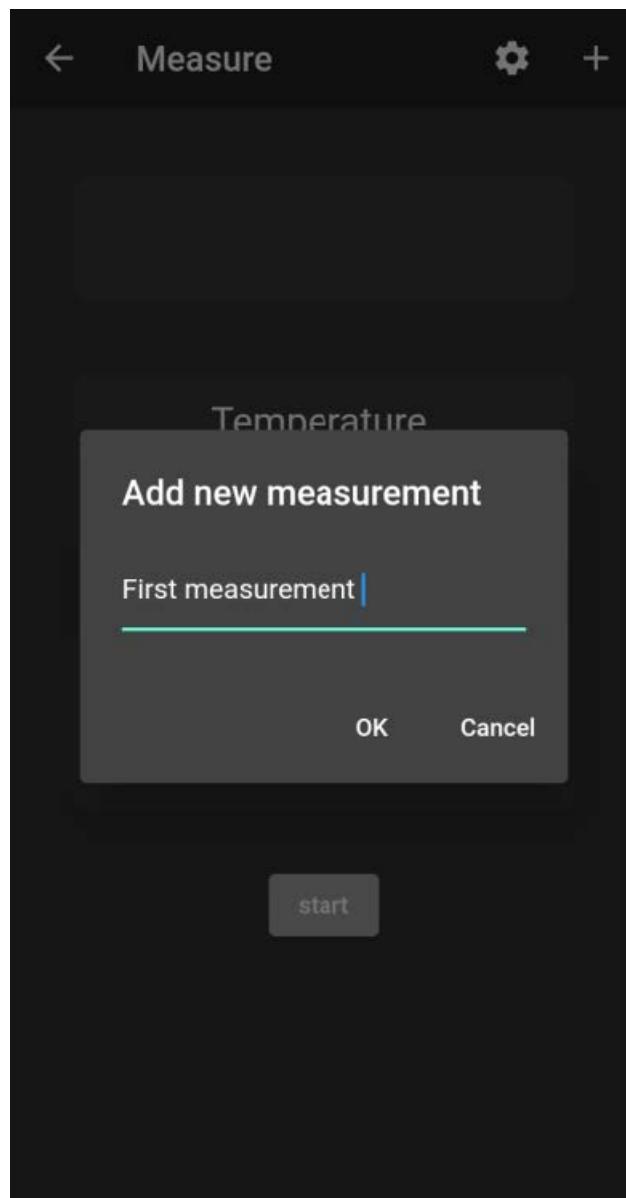
Device settings

The PCE-555BT offers different setting options. The user can choose between different measuring modes. The temperature unit can be changed from Celsius to Fahrenheit. It is also possible to choose between dew point (DP) and wet bulb temperature (WB) as well as air temperature (AT). In addition, the meter offers a hold function, backlight and a setting option for automatic shutdown. These settings can be made under the menu item "Settings" using the switches shown below.

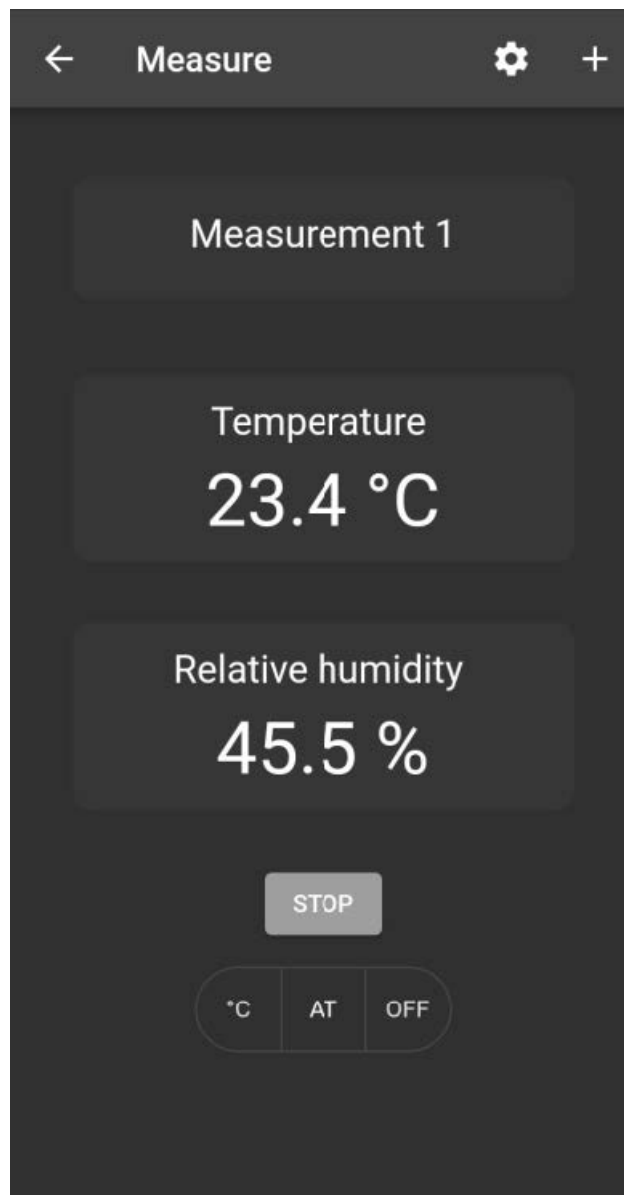


Make a measurement

Before making the first measurement, ensure that there is an active Bluetooth connection between the smartphone and the meter. The menu item "Measure", which can be reached from the main menu, offers the possibility to perform a measurement. Directly after opening the measurement window, a dialogue will appear where the measurement must be named and confirmed.




After the conformation, the PCE instrument will be in measurement mode and the readings are displayed in the user interface. The measurement is started by tapping on the button. After starting the measurement process, the measured values are displayed on the user interface. As soon as the measurement has been started, the switch function will change to “STOP”.



The measurement can be stopped with the “STOP” button. The measurement made is then saved to the database and is listed under the “Data” menu.

Below the “START/STOP” button, there is a bar with multifunctional switches. By means of the corresponding switches, the user can change the temperature unit, the measuring mode and the Min/Max function during the measurement. Accordingly, the recorded measured values and units are saved to the database and transferred to the measurement protocols. Likewise, the options menu in the app bar offers the possibility to navigate to the

settings and make adjustments by tapping on the respective button . A new measurement can be initiated

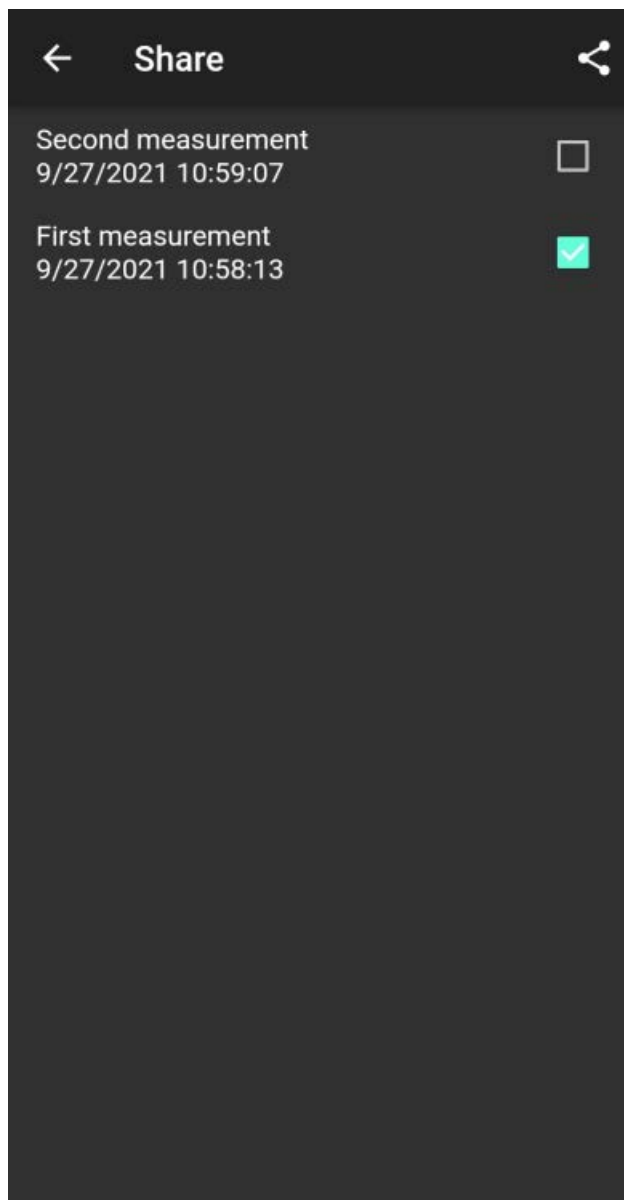
by means of the  button.


Internationalization / languages

Depending on the language set on your smartphone, the language and formatting are displayed in German or English. The presentation of the floating-point numbers also depends on the language set on the smartphone. Depending on the language setting, the measured values are separated by a dot or a comma.

Share measurement data

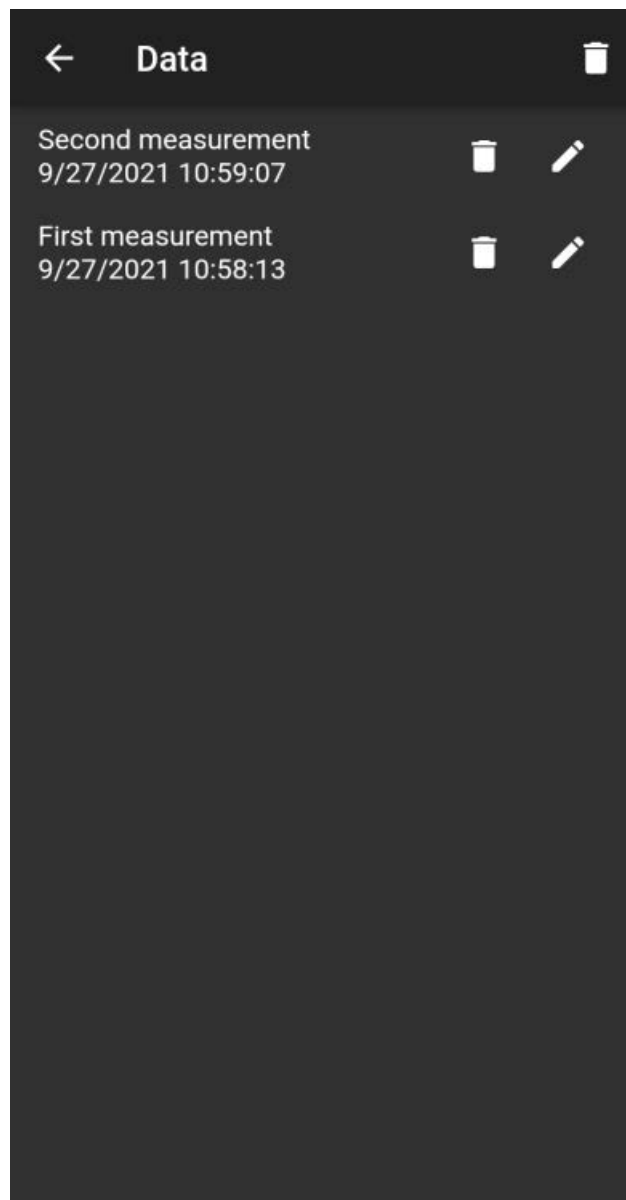
All performed measurements can be shared via all common messengers and email apps as a PDF or CSV file. To do so, call up the menu item “Share” in the main menu. The window contains a list of all measurements that have been made. The desired measurements can be marked accordingly by placing check marks.



After tapping on the button , the desired export format can be selected. An options dialogue opens to select the desired messenger. After the selection, the measurements are attached as PDF or CSV documents and can be sent.


Save measurement data

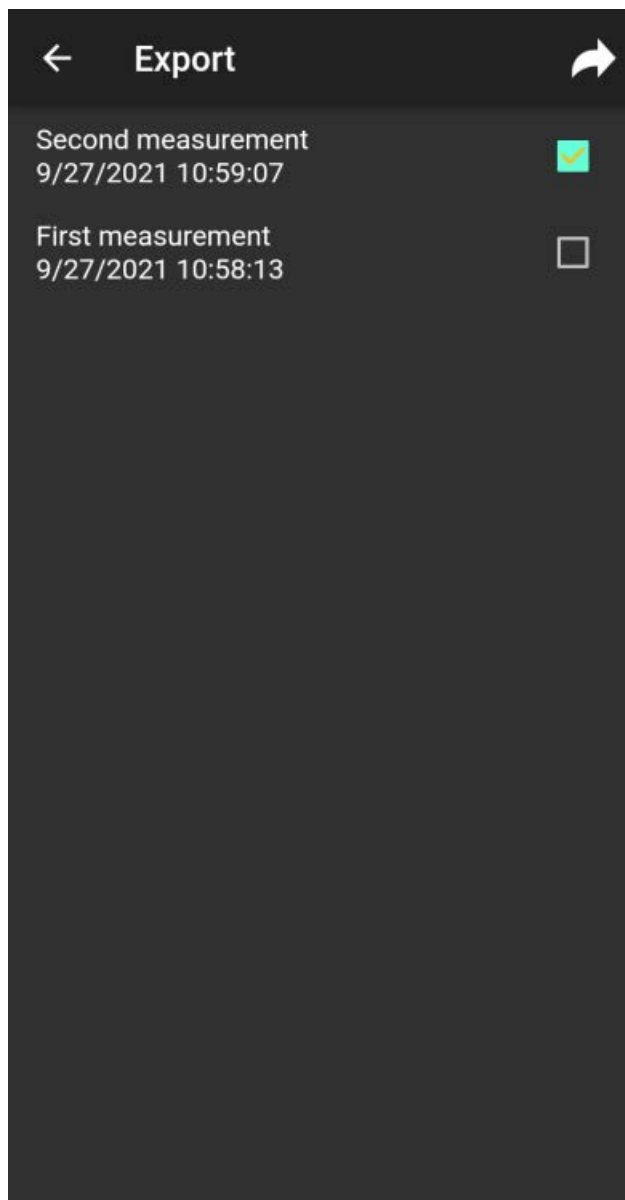
All performed measurements are automatically saved to a database in the memory of the smartphone. These can be viewed, renamed or deleted at any time. To do this, call up the menu item “Data” in the main menu. This view contains all series of measurements named according to the user-assigned name and the time and date stamp.



Each measurement can be renamed or deleted via the associated options menu. Furthermore, it is possible to view the measured values by tapping on the desired measurement.

Export series of measurements

In the “Export” window, individual series of measurements can be selected and then exported by tapping on the  button. A progress bar is displayed while the data are being processed for export. After processing, the series of measurements are saved to the “PCE” folder of the Android file system as a PDF or CSV file. Users of an iOS device can select the memory location themselves. The share function of iOS makes it possible to save the files to any desired folder of the smartphone.



When the export is completed, a dialogue for selecting the right app to open the exported file opens. When the file has been opened, the individual series of measurements and the respective measuring points can be viewed.

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Documents / Resources

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References

- [France.fr : Actualités, destinations et infos du tourisme en France](#)
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