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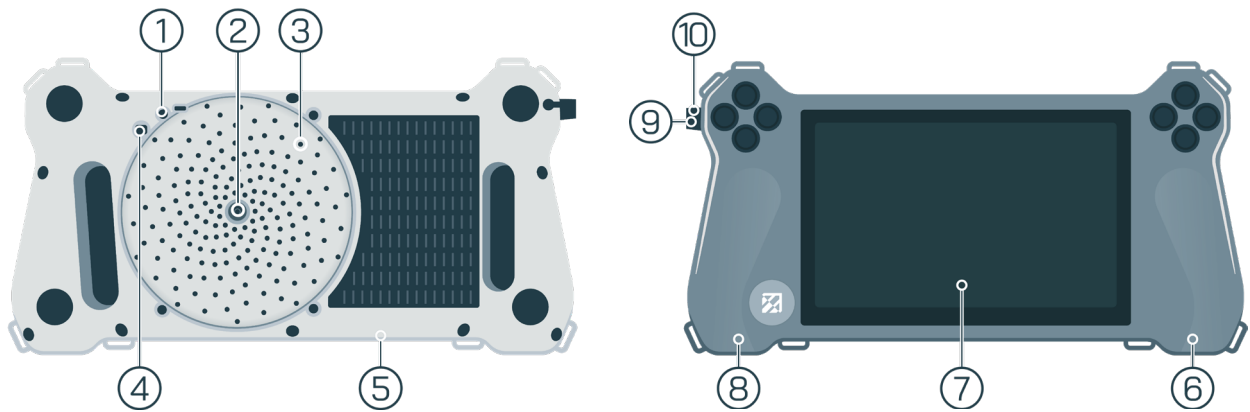


QUICK START

SONASCREEN[®] 2

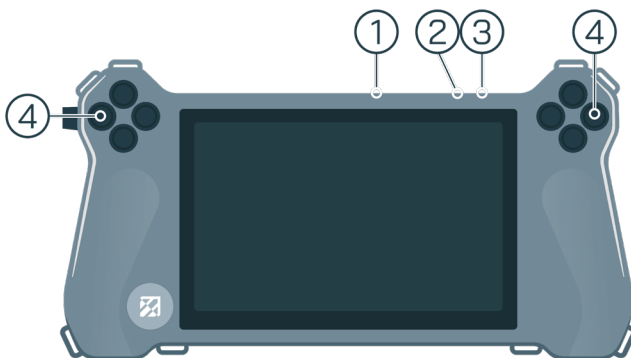
Acoustic Camera

Connections, Interface, Device Features



No.	Connections, Interface, Device Features
1	LEDs (flashlight function)
2	Camera for capturing optical signals
3	Microphones for detecting acoustic signals
4	Infrared sensor for detecting thermal radiation
5	Tripod adapter plate connection
6	USB-C cable connection
7	Touch Display
8	Headphone jack (3.5 mm)
9	Ethernet interface (socket RJ45)
10	USB interface (USB socket type A)

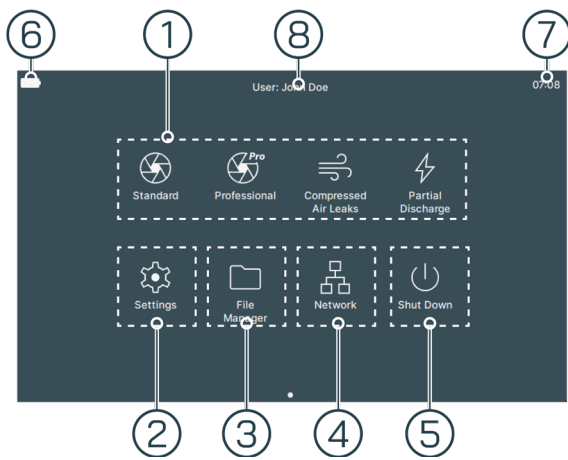
Status Indicators and Device Buttons



No.	Component	Description/Function
1	Battery level LEDs	Display the current battery level of the device.
2	Status LED SONASCREEN® 2	Shows the current device status: <ul style="list-style-type: none"> Flashing: Device is starting. Green: Device is turned on.
3	Power button	<ul style="list-style-type: none"> Short press: Check battery level. Long press (3 seconds): Turn device on or off.
4	Function keys	Predefined functions can be assigned to each key in the software settings.

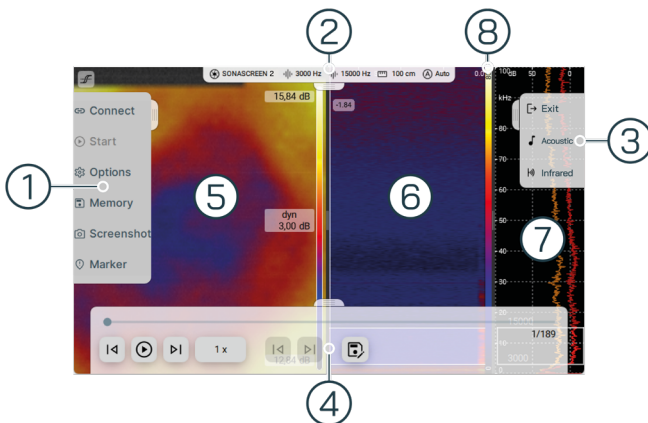
Screens

Start



No.	Function	Description
1	Measuring modes	Opens the chosen measurement mode.
2	Settings	Opens the settings menu to configure the device.
3	File Manager	Opens the 'File Manager' menu to manage the saved measurements and screenshots.
4	Network mode	Enables the device to be controlled via the LAN interface using a PC.
5	Switch off	Shuts down the device.
6	Battery charge level	Displays the current charge level of the battery.
7	Time	Displays the current time.
8	User profile	Displays the selected user profile (can be created in the settings).

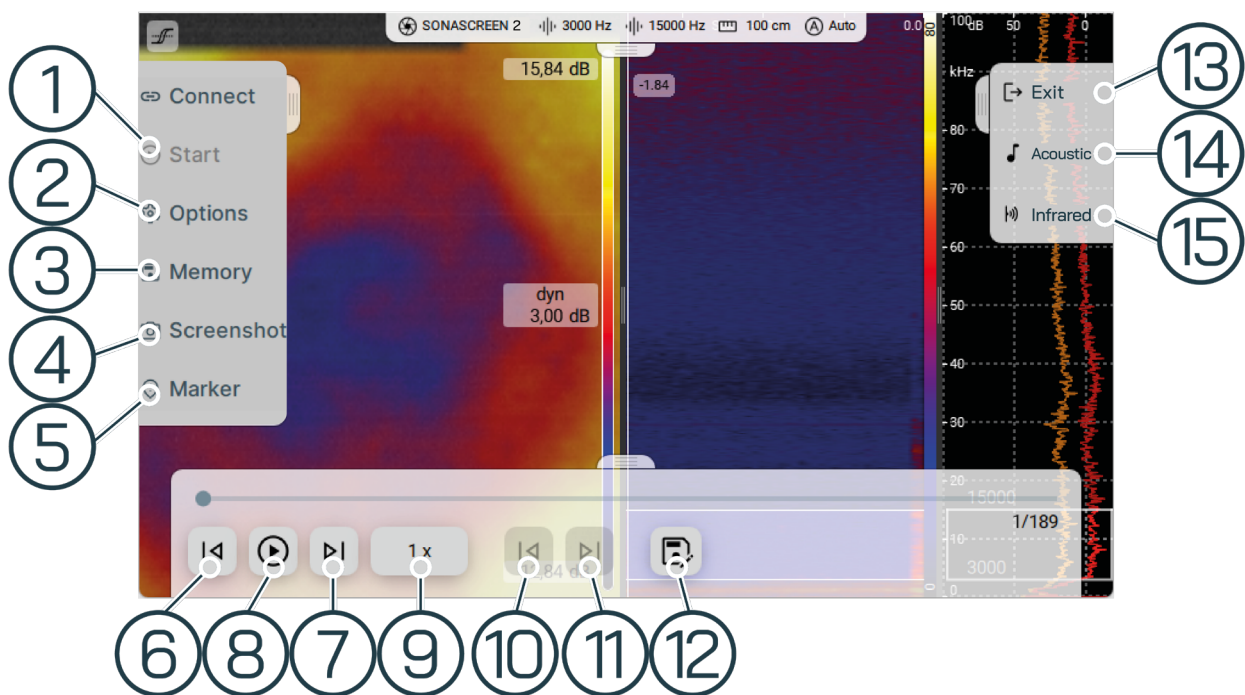
Measurement



No.	Function	Description
1	Left Menu/Slider	Contains tools for controlling and managing measurements. Different tools are available depending on the selected measurement mode.
2	Upper Menu/Slider	Displays information about the device generation used and set parameters.
3	Right Menu/Slider	Contains functions such as exiting the selected measurement mode, settings related to scaling and dynamics as well as the option to switch to infrared mode.
4	Lower Menu/Slider	Allows you to review saved measurements.
5	Acoustic image	Displays the visual representation of sound layered on the visual camera image.

No.	Function	Description
6	Spectrogram	Displays the intensity of the ultrasonic signal in spectra over time.
7	Spectrum	The frequency spectrum shows the following spectra according to the selected position (Y-square) in the spectrogram depending on the setting: Red: global green: averaged yellow: peak hold blue: local.
8	Amplitude scale	Displays the assignment of the level values to a color (color ranges in the spectrogram).

Control and Measurement Settings

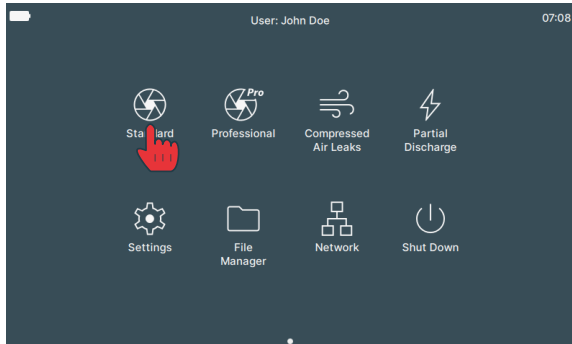


No.	Function	Description
1	Start/Stop	Starts or stops the recording of a measurement in one of the recording modes (setting via options in idle mode).
2	Options	Setting options (not available in all modes): measurement mode, illumination, recording time, audio volume.
3	Memory	Save data, review data, video export.
4	Screenshot	Creates a screenshot and saves it to the preselected folder.
5	Marker	Allows you to manage (navigate, set, delete) markers.
6/7	Image navigation	By tapping the 'Last image' and 'Next image' icons, each individual image of a measurement video can be analyzed.
8	Replay measurement	Starts or stops the playback of a recorded or opened measurement.
9	Playback speed	The playback speed can be selected optionally: 1.0x; 0.5x; 0.25x.
10/11	Marker navigation	By tapping the 'Last marker' and 'Next marker' icons, you can navigate through the previously set markers.
12	Save measurement	Saves the measurement on the device.
13	Exit	Exits the respective measurement mode and returns to the start screen.
14	Acoustic	Selection of various scaling options, dynamics and distance.
15	Infrared	Switch to infrared mode.

Perform Measurement

Start measurement

Select a measurement mode with a simple click.

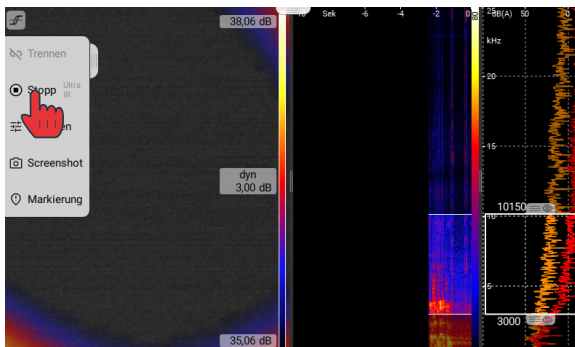


→ The device automatically starts measuring in the selected mode.

Changing the measuring range

1. Stop measurement.
2. Open Left Menu/Slider.
3. Select 'Measurement Mode'.
4. Select the desired measurement mode.
5. Press 'Start' to begin measurement.

Stop measurement

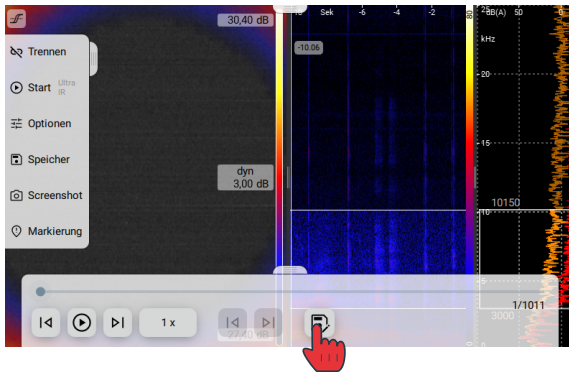


When a measurement is recorded, the data is temporarily stored on the device for the duration of the measurement. The stored period is displayed in the spectrogram. This allows you to review and/or analyze the data directly during or after the recording.

→ Tap on the 'Stop' icon to stop the measurement.

Save measurement

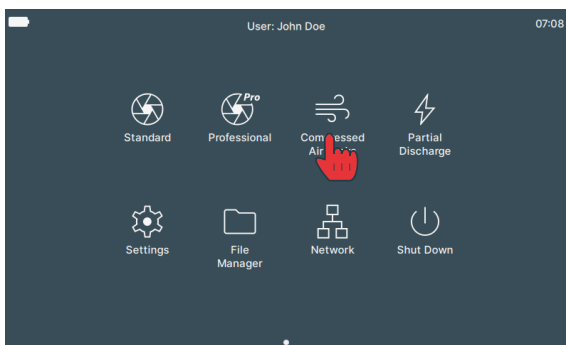
The measurement data temporarily stored after a measurement is completed can be saved in a measurement data file on the device. Any saved measurement data file can be opened again at any time. This allows the measurement data to be reviewed and/or analyzed at a later time.



Perform Leak Measurement

Perform measurement

1. Turn on the device – press the power button (on the top of the device) for 3 seconds.
2. Select 'Compressed Air Leaks' measurement mode.
3. The measurement starts automatically.
4. Locate a leak, record it and stop measurement.



Save measurement for report

Reports can be created from measurement data from leak measurements with the PC software 'LeakReport'. Regardless of the measurement time specific in the device, leak measurements are stored with a measurement duration of one second.

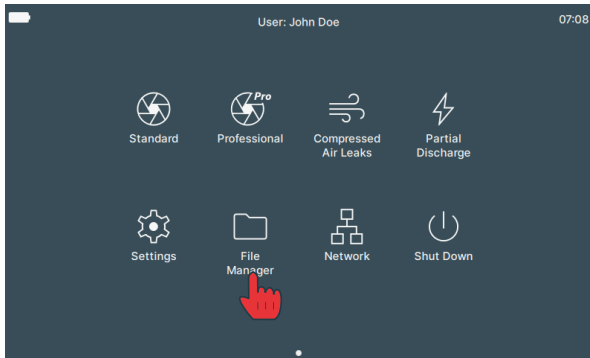
→ Tap on the 'Save for report' icon.

Transfer Measurements to a USB Storage Device

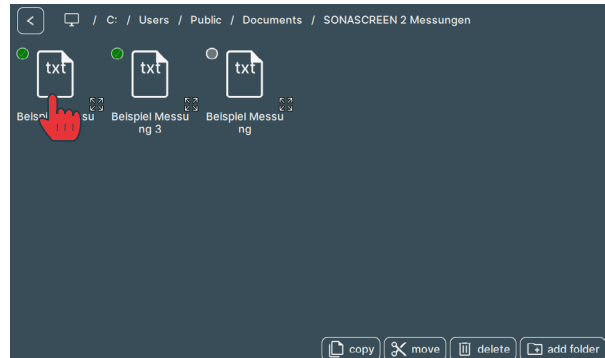
The measurements stored on the SONASCREEN® 2 can be transferred to a PC via an USB storage device for further evaluation and/or processing.

1. Connect an USB storage device to the SONASCREEN® 2.

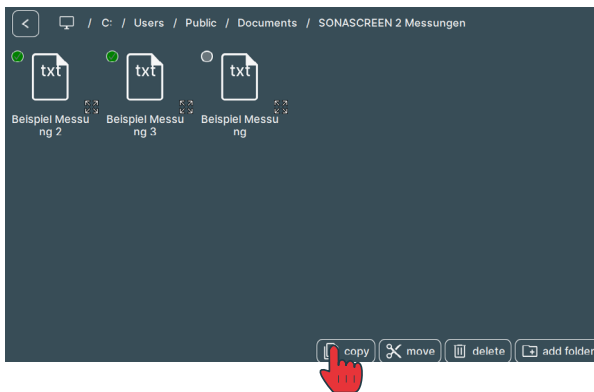
2. Open the 'File Manager' menu.



3. Select the files you want to transfer.



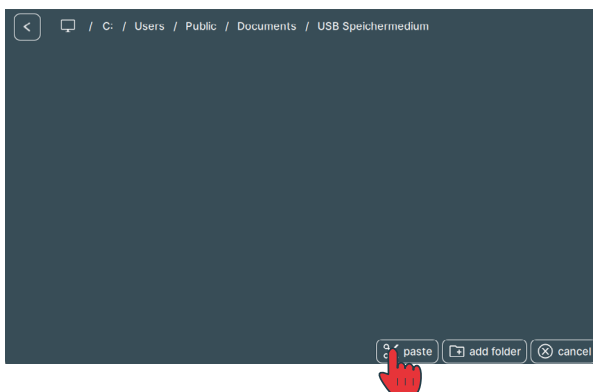
4. Select 'Copy'/'Move'.



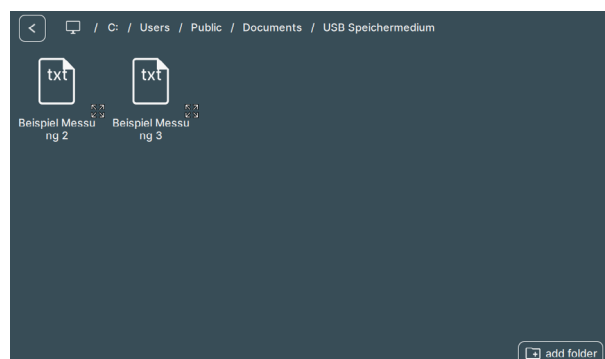
5. Select and open the USB storage device with the help of the navigation bar.



6. Paste the data into the storage medium using the 'Paste' button.



7. The data is now on the storage device and can be transferred to the PC.



Create a Report

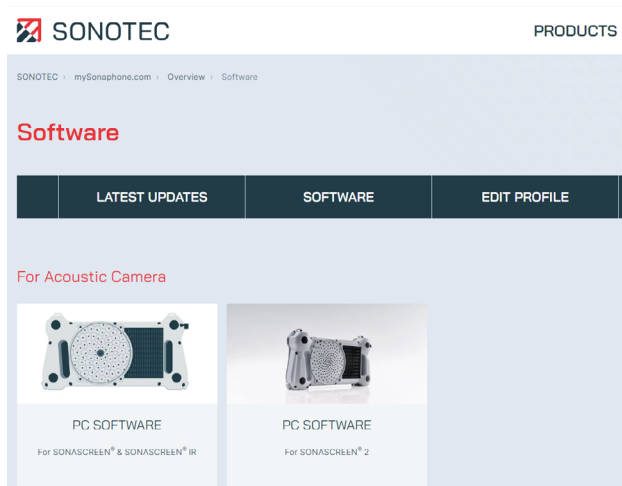
The SONASCREEN® 2 can be used to generate a report from the leakage measurement data and output it to a PC using the ‚LeakReport‘ software. The output file format is PDF.



1. Choose the directory with the desired measurements.
2. Set up and start the analysis.
3. View and evaluate the analysis result.
4. Check the measurement data of the individual measurements and adjust them if necessary.
5. Create the report.

Register your SONASCREEN® 2 now and get exclusive benefits!

- **Free Software Updates:** Get exclusive access to free software updates.
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Register
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mysonaphone.com

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