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Transferring data to a PC

- Connect the data logger again to the PC using the USB cable and launch the MSR PC software.
- Double click on "Reader" in the program selection window to launch the Reader program with which the recorded data is read-out and transferred to the PC.
- Confirm that you want to end the measuring process. The list of the measuring processes saved on the data logger is then displayed.
- Select the measuring process you wish to transfer (= "Record") and click on the "OK" button to start the data transfer.
- The name and path of the data file which has been created is displayed in the window of the "Reader" program. At the same time the "Viewer" program automatically opens with which you can view the data as a graph, analyse it and export it via the file menu.



Brief instructions MSR385WD



MSR385SM transmitter module



MSR385WD data logger

You will find software updates and answers to frequently asked questions in the support area at www.msr.ch.

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GSM terminal (optional)

- Unless you have already done so, activate your data logger in your MSR SmartCloud account (in accordance with the separate instructions).
- Unless you have already done so, configure the transmission interval of the data logger, at which the measured data is sent to the MSR SmartCloud, by means of the configuration wizard of the MSR PC software (see section "Connecting the MSR data logger to your PC"!).
- Place the SIM card in the card slot of the GSM terminal and connect the latter with the data logger, using a cable.
- To test the connection between the logger and the MSR SmartCloud, switch on the display and press the button on the data logger until "GSM" is displayed. Press it again briefly until "Next" is displayed. Press it again until "Test" is shown. Now a connection test is performed, which should finish with displaying "OK".
- When the data recording is active, the measured data is automatically transferred to the MSR SmartCloud. You can view this data in your user account.

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Switching the MSR385SM transmitter module on/off

- Press and hold the button of the transmitter module (approx. 4 seconds) until the red LED lights up. The transmitter module is now switched on.
- In order to set the measurement rate, keep the button pressed. The red LED lights up for 5 seconds, then goes out for 3 seconds and then flashes at regular intervals. Count how often the LED light flashes and release the button after you have reached the desired number; the number corresponds to the following measurement rates:
1 = 1 hr | 2 = 15 min | 3 = 1 min | 4 = 10 sec | 5 = 1 sec
- You can switch off the transmitter module by keeping the button of the transmitter module pressed until the red LED goes out.
- In order to check the status of the transmitter module, briefly press the button. If the red LED flashes momentarily, it is switched off. If the LED lights up continuously while it is being pressed, it is switched on.
- **Please note:** The default measurement rate is 15 min. For measuring rates > 10 sec, a measured value will be transmitted every 10 seconds for the first 10 minutes. Then, for measurement rates of 15 min or 1 h, each measured value will be transmitted three times in a row.

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OLED display of the data logger

- Press the blue button on the data logger in order to activate the display and to show the “Home” screen. “R+” and “R-” indicate whether the data recording is active or not. In addition, the identifiers of the known transmitter modules are displayed; the preceding “+” or “-” means that a connection has been established or not. The letter after the identifier indicates the measurement rate: “A” = 1/s to “E” = 1/h (see section “Switching the transmitter module on/off!”).
- Keep pressing the button while the display is visible; the different options are indicated in succession in the bottom left corner of the display. Release the button to select the displayed option. **Tip:** The first option is always “Next”, which takes you to the next display within the display area. The last option is “Cancel”, which is used to exit the various options. “Record”, “Info”, “Reset”, “GSM” and the “Home” screen are display areas with their own separate options or subpages. Select “Home” to leave these subpages.

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Connecting the MSR data logger to your PC

- Connect the MSR data logger with your PC with the aid of the USB cable supplied.
- The orange LED of the data logger indicates that the battery is charging. **Please note:** The data logger cannot be switched off while it is connected by means of the USB cable.

Important Notice: In order to prevent damage and to increase life of the data logger's battery, do not completely discharge it. It's recommended that you fully charge the battery before longer storage periods.

- Launch the MSR PC software and double click on “Setup” in the program selection window to launch the Setup program.
- If necessary select in the program window the port of your PC to which the data logger is connected.
- The window of the Setup program displays the state of the data logger and the connected sensors. Click on the “Read” button to refresh the window. Click on the “Configuration” button to configure the data logger.

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Installing the MSR PC software

- Download the installation program for the MSR PC software from the Internet:
www.msr.ch/en/support/pcsoftware.html
- Launch the installation program and follow the instructions to install the MSR PC software onto your PC.

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Starting and stopping data recording

- Click on the “Start” button in the Setup program in order to start recording data. **Tip:** Alternatively, you can initiate the recording directly on the data logger. To do so, first switch on the display (press the button once), if required. Press and hold the button until “Record” is shown in the display, in order to access the options for the data recording. Press the button again until “Start” is displayed. In the top half of the display, “active” confirms that the logger is in recording mode. Press the button repeatedly until “Home” is displayed in order to return to the home screen.
- The red LED next to the aerial of the data logger flashes when receiving data.
- Click on the “Stop” button in the Setup program to stop recording data.