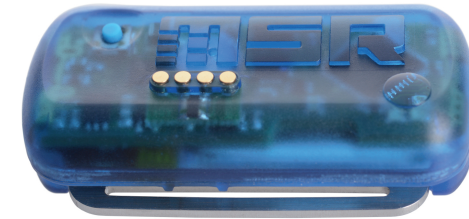




## Brief instructions MSR145 (V6)



You will find software updates and answers to frequently asked questions in the support area at [www.msr.ch](http://www.msr.ch).

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### 1

#### Installing the MSR PC software

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

## 2

### PC connection and battery charging

- 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 being charged. The LED flashes every two seconds when the battery is full.

**Notice:** In rare cases, the battery will not be completely full after the charging process. To guarantee a full charge, unplug and plug again the USB cable from the datalogger. The battery will be fully charged after the second charging process.

**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.

## 4

### 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.

## 3

### Starting data recording

- In the "Sensors" area of the Setup program window set the time interval for each sensor to be used for measuring and logging (e.g. "1s" to measure once per second).
- Select the option "Start immediately".
- Click on the "Write basic settings" button to transfer the configuration to the data logger.
- Click on the "Start" button to start recording the data. The blue LED on the data logger now flashes every 5 seconds.
- You can now disconnect the data logger from the USB cable.



### SD card (optional)

- Prepare the data logger for the measuring process by means of the setup or shock program (see item 3 "Starting data recording").
- Insert the supplied microSD card into the card slot of the data logger. A green LED above the card slot lights up for approximately 2 seconds to indicate that the SD card can be used.
- To transfer the data from the SD card to your PC after the measuring process, remove the card from the data logger and insert it into your PC, using a card reader.
- Start the MSR PC software and double-click "CARD Reader" to start the program. In the CARD Reader program window, click "Start".
- In the window that appears subsequently, select the measurement file and click "OK" to confirm. Depending on the data volume, a measurement can be distributed across several measurement files. Click "Next" to read another measurement file.

**Important Notice:** The files on the SD card must not be deleted.