

MSR147W2D Data Loggers Instruction Manual

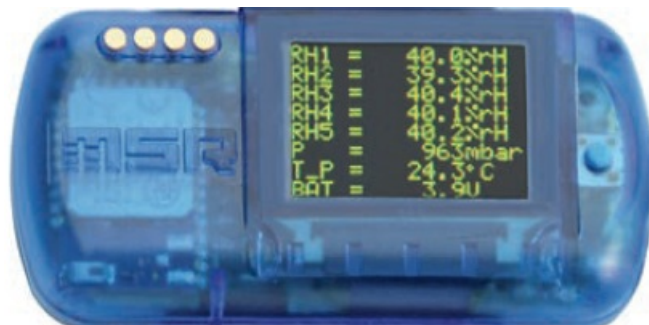
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MSR147W2D Data Loggers



Product Information

Specifications

- Data transfer to the MSR SmartCloud
- Date: V2020-10-13

Brief instructions MSR147W2D

Connecting an external sensor

To connect an external sensor to the MSR data logger, follow these steps:

1. Identify the type of sensor you want to connect.
2. Locate the corresponding port on the data logger.
3. Plug in the sensor cable securely into the port.

Installing the MSR PC software

To install the MSR PC software, please follow these steps:

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

Connecting the MSR data logger to your PC

To connect the MSR data logger to your PC, please follow these steps:

1. Connect the MSR data logger to your PC using the supplied USB cable.
2. The orange LED on the data logger will indicate that the battery is being charged.
3. The LED will go out when the battery is fully charged.
4. Note: To prevent damage and extend the battery life, avoid completely discharging the battery and fully charge it before longer storage periods.
5. Launch the MSR PC software.
6. Double-click on Setup in the program selection window to launch the Setup program.
7. If necessary, select the port of your PC to which the data logger is connected.

Starting data recording

To start recording data using the MSR data logger, please follow these steps:

1. 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).
2. Select the option "Start immediately".
3. Click on the "Write basic settings" button to transfer the configuration to the data logger.
4. Click on the "Start" button to start recording the data.

5. The blue LED on the data logger will now flash every 5 seconds.
6. You can now disconnect the data logger from the USB cable.

Transferring data to a PC

To transfer data from the MSR data logger to a PC, please follow these steps:

1. Ensure that the MSR data logger is connected to your PC via USB cable.
2. Launch the MSR PC software.
3. Follow the instructions provided by the software to transfer the data from the data logger to your PC.

FAQ

Q: How can I download the MSR PC software?

A: You can download the MSR PC software from the Internet by visiting www.msr.ch/en/support/pcsoftware.html.

Q: How often does the blue LED on the data logger flash?

A: The blue LED on the data logger flashes every 5 seconds when data recording is in progress.

Connecting an external sensor

- Please note: External sensors must be connected only within an ESD Protected Area and in accordance with the method described here! DO NOT replace sensors during operation.
- Push the blue button to switch on the display.
- Push the button again and hold it until “Sensors” is displayed in the bottom left-hand corner.
- Push the button once more and hold it until “Change” is displayed in the bottom left-hand corner. The sensor supply voltage is now interrupted and you can replace the sensor. In doing so,
 - please pay attention to the black marks on the connectors.
- Push the button. A reset is performed.
- The new sensor can now be used.

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.

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 being charged. The LED goes out when the battery is full.

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.

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.

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.

Wireless LAN (WiFi) connection

- If you want to transmit the current measured values and/or the recorded data to the MSR SmartCloud or to a local application, you need to connect the data logger to your wireless local area network (WiFi LAN). Enter the required network configuration information into the corresponding fields of the MSR PC software's Setup program under "WLAN/WiFi".
- Press the button of the data logger to switch the display on. Press the button again and hold it down until the option "WiFi" appears on the display. Press the button again and release it as soon as the option "Start" appears. The data logger will now connect to your WiFi network.

Data transfer to the MSR SmartCloud


- Please open an account and register your data logger on the MSR SmartCloud prior to transferring data to the MSR SmartCloud. To do so, please follow the instructions on the paper with the MSR SmartCloud activation

key that came with your data logger. If you don't have an activation key, please contact the MSR customer support.

You will find software updates and answers to frequently asked questions in the at www.cik-solutions.com

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Documents / Resources

	<p>MSR MSR147W2D Data Loggers [pdf] Instruction Manual MSR147W2D Data Loggers, MSR147W2D, Data Loggers, Loggers</p>
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References

- [Data Logger MSR – acceleration, vibration, shock, humidity dataloggers](#)
- [MSR PC Software \(Standard\) - MSR Data Loggers](#)
- [User Manual](#)