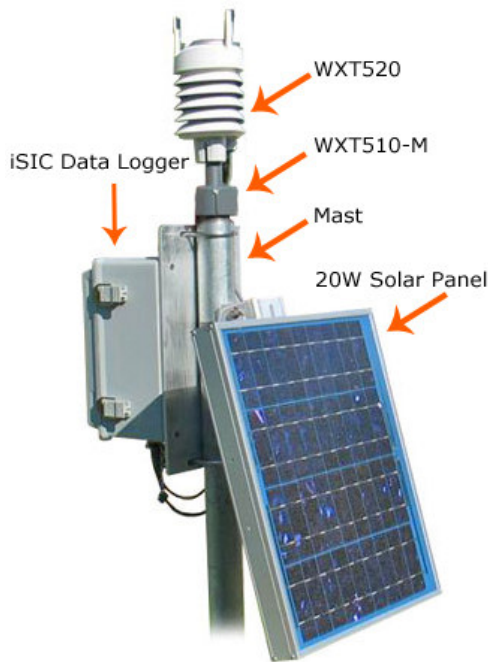


WS-100 Weather Station Quick Start Guide

This guide will help you get started. Detailed instructions are available in the iSIC manual.

Overview

The WS-100 Portable Weather Station provides a complete sensor interface and data collection platform for setting up and operating a portable weather monitoring system. The system is designed to use a Vaisala WXT520 with NexSens data logging technology for quality results.



What's Included

- iSIC data logger
- A01 12VDC battery
- 2" diameter pipe x 24" long
- Solar Panel, 20-watt
- WXT520 weather sensor
- WXT510-M sensor mount

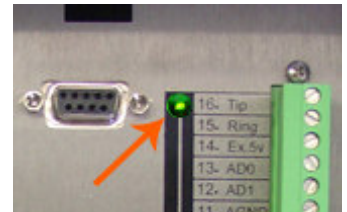
Assembly

1. Remove the WS-100 Portable Weather Station and all contents from the shipping package.
2. Unpack the WXT510-M and thread it onto the free end of the mast. Secure the mount with a strap wrench for additional security.
3. Carefully unpack the weather sensor and store the box in a safe location for future shipping.

Warning: The sensor is fragile; care should be taken to avoid damage from collision with other objects.

4. Attach the WXT520 weather sensor to the WXT510-M mount. Secure the sensor using the small Allen wrench supplied in the spare parts kit.

5. A NORTH orientation is labeled on the bottom of the weather sensor. Ensure that this marker is aligned as close to North as possible. The marker should be facing opposite the southward facing solar panel.
6. Route the sensor cable along the mast and connect the MS8 connector to the MS8 port on the data logger enclosure.
7. Connect the solar panel cable to the MS2 connector on the data logger.
8. Open the data logger and connect the 12VDC battery. Observe the green blinking LED. This confirms that the data logger is powered.



Field Installation

1. Fix the WS-100 Portable Weather Station into position at the site.
2. The solar panel should be oriented to the southern hemisphere and angle adjusted to approximately 45 degrees.
3. Confirm that the NORTH orientation mark on the weather station is facing due north.

Configuration

1. Install iChart software on a PC.
2. Ensure Power is supplied to the data logger.
3. Open iChart and click **Create New Project**. Add the iSIC to the new project file.

To accomplish this: Follow the Setup Device Wizard to add a site name, and then select **iSIC** from the list of NexSens data loggers. Enter the correct PC COM Port at the prompt and click **Test Connection** to check.

4. Select WXT510/520 after selecting Vaisala from the drop down list. Select the appropriate parameters in the sensor dialog box.
5. Complete the setup device wizard.

For more information see the online manual

www.nexsens.com/pdf/vaisala_wxt520_manual.pdf
www.nexsens.com/pdf/nexsens_isic_manual.pdf



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