



PHYTOS 31 LEAF WETNESS SENSOR

METER



SUPPORT

Have a question or problem? Our support team can help.

We manufacture, test, calibrate, and repair every instrument in house. Our scientists and technicians use the instruments every day in our product testing lab. No matter what your question is, we have someone who can help you answer it.

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PHYTOS 31 QUICK START

Preparation

Confirm that PHYTOS 31 components are intact. For installation, gather a mounting post and either zip ties or 4-40 bolts.

Read the full [PHYTOS 31 User Manual](https://metergroup.com/phytos31-support) at metergroup.com/phytos31-support. All products have a 30-day satisfaction guarantee.

Set up and test the PHYTOS 31 reader or data logger in a lab or office. Verify the reader or data logger is using up-to-date firmware and software.

NOTE: PHYTOS 31 is analog and will not be automatically detected in ZENTRA Utility!

To avoid errors collecting data, connect the PHYTOS 31 to the data logger and the data logger to a computer.

1. Open ZENTRA Utility.
2. Locate the port number the PHYTOS 31 sensor is connected to and click or select the port.
This will open the Sensor Configuration tab.
3. In the Sensor Configuration tab, use the drop-down menu next to **Sensor Type** to find the PHYTOS 31 option.
4. Select PHYTOS 31 and then select OK.

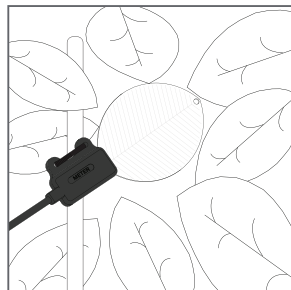
Installation

1. Install Sensor to Mounting Post

Install the mounting post.

With the PHYTOS 31 traces facing up, thread zip ties or 4-40 bolts through the mounting holes on the sensor body and attach them to the mounting apparatus.

NOTE: Wetness duration is affected by the mounting angle. Mount the sensor at the appropriate angle for the desired measurement.



Connecting

Plug into Data Acquisition System

Connect the stereo plug connector into any METER data logger and configure it to read the PHYTOS 31 (refer to the [PHYTOS 31 User Manual](#)). Select a nonzero measurement interval to ensure data are being logged. To connect to a non-METER data logger, see the [PHYTOS 31 User Manual](#).

Verify Readings

Use the **SCAN** function in the software to show a list of readings. A dry sensor should have raw counts between 430–445 counts.

ATTENTION

For best results, use the latest versions of METER software and firmware for the computer or mobile device, products, and sensors. Please use the software Help menu to find updates. Consult the sensor user manual for more troubleshooting tips.

2. Plug Sensor In and Configure Logger

Plug the sensor into the data logger.

Use data logger software to apply appropriate settings to the sensors plugged into each data logger port.

