



METER

# PHYTOS 31

## LEAF WETNESS SENSOR



# 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](#) at [metergroup.com/phytos31-support](http://metergroup.com/phytos31-support). All products have a 30-day satisfaction guarantee.

## Connecting

### Plug into Data Aquisition 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

The PHYTOS 31 requires the most current software and firmware versions. Please make updates as necessary.

**ZL6** firmware version 2.02 or higher  
**Em50** firmware version 2.27 or higher  
**EM60** firmware version 1.09 or higher  
**ProCheck** firmware version 1.69 or higher  
**ECH2O Utility** version 1.83 or higher  
**ZENTRA Utility** version 1.12.19 or higher

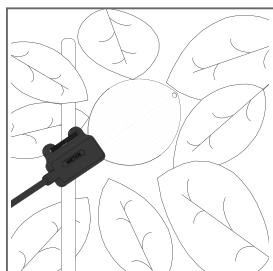
Go to [metergroup.com/environment/downloads/](http://metergroup.com/environment/downloads/) to find the current software or firmware version for the data logger being used.

## Installation

### 1. Install Sensor to Mounting Post

Install the mounting post. With the PHYTOS 31 electrode 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.



### 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.

