

Instructions for Hydrosense Soil Water Content Measurement System

The instrument consists of two main parts; a black display unit and a white probe with a coiled connecting cable with two 12 cm rods.

To use the Hydrosense:

1. Turn the power on by pressing the READ button. The display should read similar to the following with the VWC display between -3% and 3%:

VWC	0%	P12cm
Period	0.77ms	

2. Check to be sure the 12 cm rods are very tightly screwed into the white probe. Next insert the probe by pushing the rods straight down into the soil. **Twisting the probe MUST be avoided! It introduces air around the rods, making measurements inaccurate and it will also bend the rods, making the probe unusable.**

3. Once the rods are in the soil, the percent volume water content can be read by pushing the READ button.

4. Pull the probe straight up out of the ground. **Twisting the probe will damage it, so be very careful.**

5. It is a good idea to take several measurements per sample and average them. Be sure there is no air introduced around the samples or the readings will be affected.

6. Wipe off any soil that clings to the rods.

7. The Hydrosense will automatically turn off after 2 minutes of inactivity.