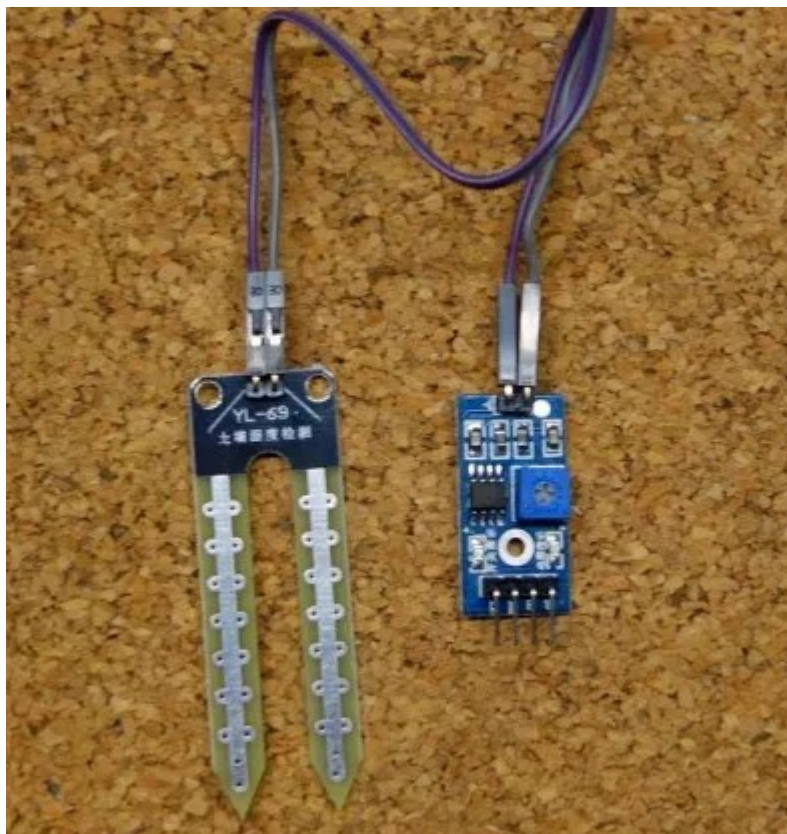


# Soil Moisture Sensor YL-69

The soil moisture sensor or the hygrometer is usually used to detect the humidity of the soil. So, it is perfect to build an automatic watering system or to monitor the soil moisture of your plants.

The sensor is set up by two pieces: the electronic board (at the right), and the probe with two pads, that detects the water content (at the left).

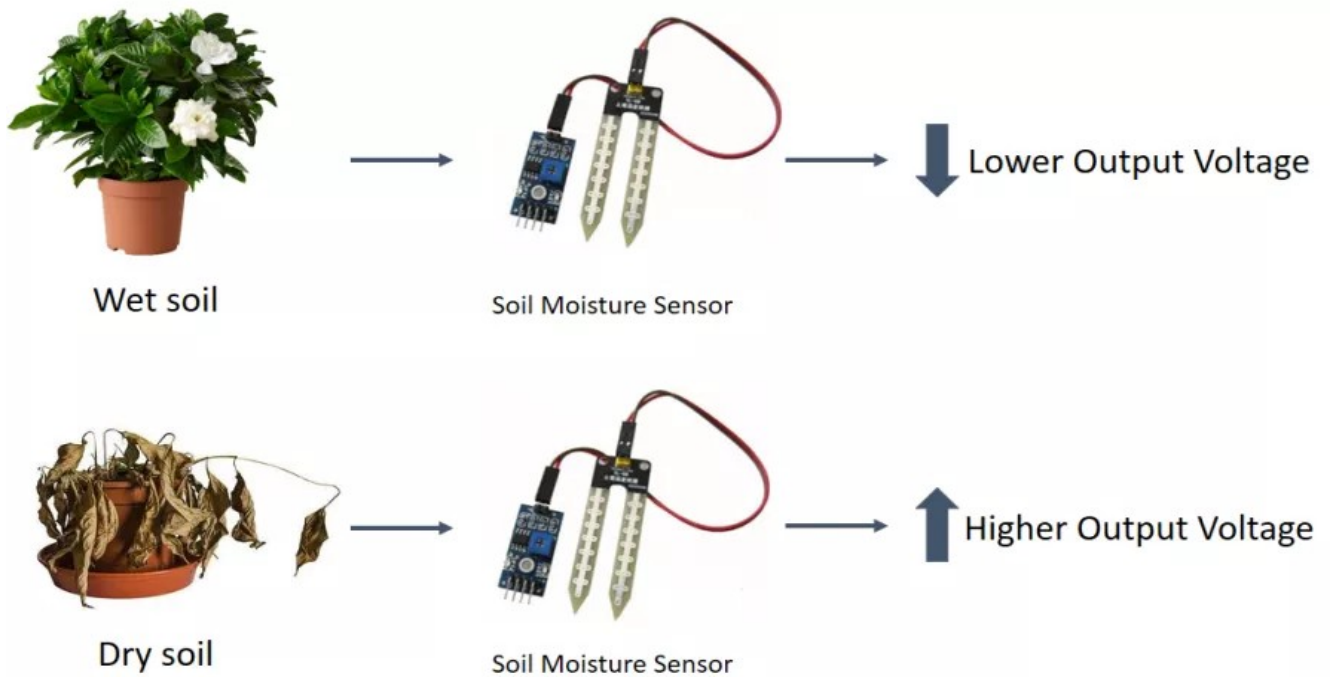


The voltage that the sensor outputs changes accordingly to the water content in the soil.

When the soil is:

**Wet** : the output voltage decreases

**Dry** : the output voltage increases



The output can be a digital signal (D0) LOW or HIGH, depending on the water content. If the soil humidity exceeds a certain predefined threshold value, the module outputs LOW, otherwise it outputs HIGH. The threshold value for the digital signal can be adjusted using the potentiometer.

The output can be an analog signal and so you'll get a value between 0 and 1023.