

412 ARDUINO MODULE SOIL HYGROMETER

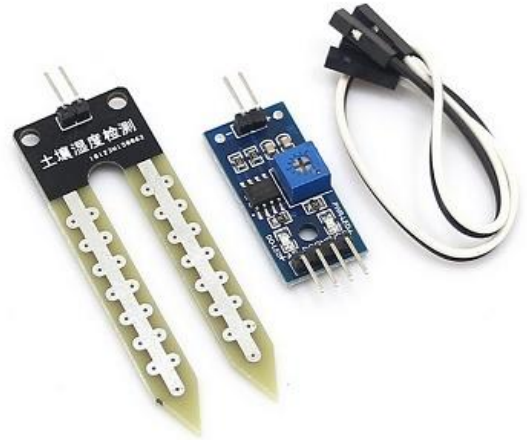
Description:

This is a simple water sensor, can be used to detect soil moisture when the soil moisture deficit module outputs a high level, and vice versa output low. Use this sensor to build an automatic plant waterer device, so that the plants in your garden won't need people to manage.

Soil moisture module is most sensitive to the ambient humidity, is generally used to detect the moisture content of the soil.

When the soil humidity is less than a set threshold value, the DO port output high. When the soil humidity exceeds the threshold value, the module D0 outputs low.

Digital output D0 can be directly connected with the microcontroller. Analog output AO and AD module connected through the AD converter, you can get more precise values of soil moisture;



Specifications:

- Adjustable sensitivity adjust the digital potentiometer (shown in blue)
- Operating voltage 3.3V-5V
- Dissipation Power: 1W-6W
- Operating Temperature: -40°C ~ 125°C
- Dual output mode. Digital output and analog output (more accurate).
- A fixed bolt hole for easy installation
- Power indicator (red) and digital switching output indicator (green)
- Using LM393 comparator chip, stable