

Moisture-Sensor User Manual

1. Product features

voltage	2.0V-5.3V
Output type	Analog output
Detection depth	38mm
Fixed hole size	2.0mm

Principle:

The module mainly uses the current amplification principle of triode. When the water in the soil makes the base of the triode and the positive pole of the power supply conduct, a certain amount of current will be generated between the base and emitter of the triode. At this time, a certain magnification current will be generated between the collector and emitter of the triode. The current will generate voltage through the resistance of the emitter for the AD converter to collect.

2. Main application

Automatic watering system, pot soil moisture detection and automatic irrigation system, etc.

3. Interface definition

PIN	Name	Description
1	-	GROUND
2	+	2.0-5.0V
3	S	Analog output

