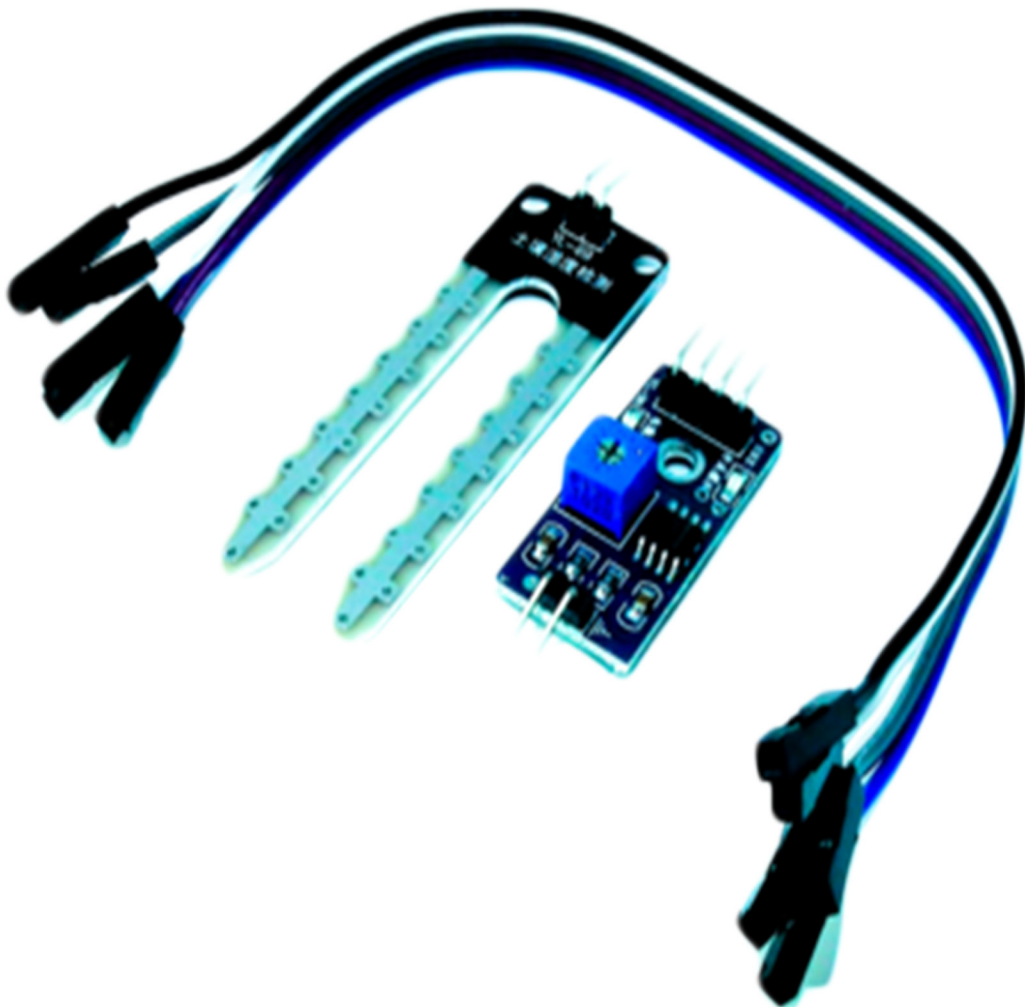


Bodenfeuchte Sensor Modul Datenblatt



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1. Introduction

The Soil Moisture Sensor module is used to measure the volumetric water content of soil. This sensor comes with 2 output pins which are digital or analog signal. User can choose whether to use the digital or analog output. It uses 2 probes to detect the moisture of the soil. When the surface of the probe plates touch the moisture soils, the current will be conducted between the 2 probes and LOW signal will be generated at its digital output. This sensor consists of a potentiometer knob that can be adjusted to change the sensitivity of the sensor.

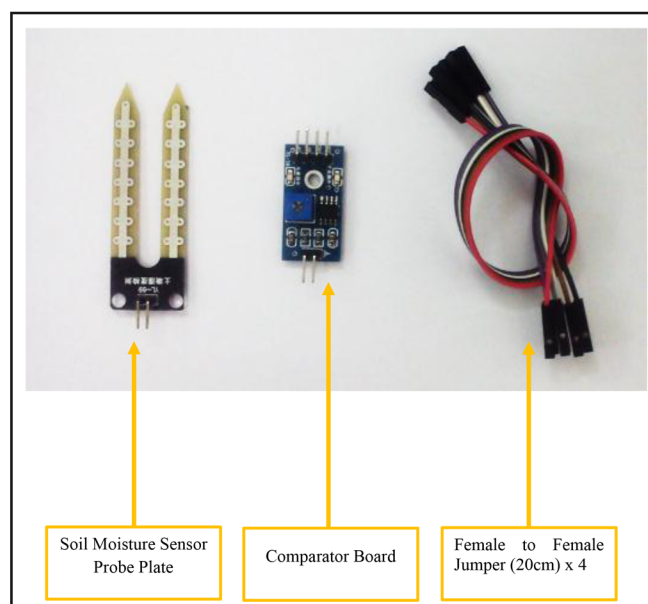
Specification:

- Input Voltage : DC 3.3V to 5V
- Output :
 - Digital (0 or 1 digit)
 - Analog (0 to 5V)
- Output Signal : Active low
- Sensitivity : Adjustable (potentiometer adjustment)

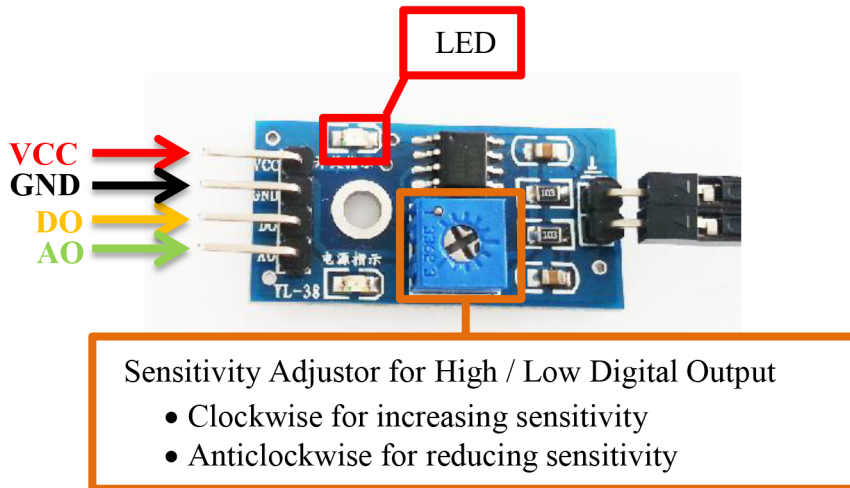
2. Packaging List



The soil moisture sensor module comes with

- Soil Moisture Sensor Probe Plate
- Comparator Board
- Female to Female Jumper (20cm) x 4



3. Pin Definition



Pin	Description	Function
VCC	+3.3V ~ +5V	Connect to +3.3V ~ +5V
GND	Ground	Connect to Ground
D0	Digital Output	<ol style="list-style-type: none"> Output Signal: HIGH <ul style="list-style-type: none"> The sensor does not detect moisture. LED's Status: OFF  Output Signal: LOW <ul style="list-style-type: none"> The sensor detects the moisture surface. LED's Status: ON 
A0	Analog Output	<p>The output voltage changing when the moisture is detected.</p> <ul style="list-style-type: none"> Output voltage decreases from 5V → Moisture is being detected.