正反双面印刷 骑马钉装订成册

Wi-Fi Smart Indoor Soil Sensor

INSTRUCTION

Powered By tuya Intelligence Inside

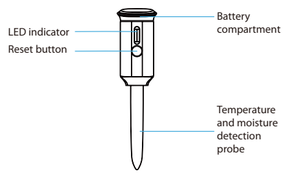
Thanks for Choosing our WiFi Smart Home Sensors

Specifications

Battery: AA/LR6 1.5V * 2 (replaceable)
Bluetooth version: Bluetooth 5.0
Wireless frequency: 2.4GHz
Wireless standard: IEEE 802.11b/g/n
Wireless distance: 45M
Waterproof grade: IP66
Temperature detection range: -10～60℃(14℉～140℉)
Moisture detection range: 0～100%RH(non-condensing)
Detection accuracy: Temperature 0.5℃ (adjustable)
Moisture 1%RH (adjustable)
Temperature and moisture detection interval: 5mins (adjustable)
Working temperature: -10～60℃(14～140℉)
Working moisture: 0～100%RH (non-condensing)
Dimensions: 47mm X 34mm X 194mm

Product Configuration

1. Product Configuration



2. Packaging accessories

① Smart indoor soil sensor x1

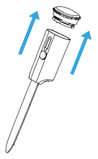
② User manual x1

Installation and use

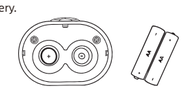
1. Battery replacement

Note:
①Before installing or replacing batteries, wipe the device dry to ensure that no dirt or water seeps into the interior of the device.
②Pay attention to the positive and negative poles when installing the battery.

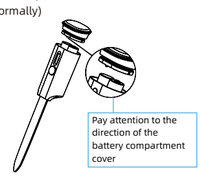
1. Open the battery compartment cover upwards with appropriate force.



2. Take out the battery from the box and install it, paying attention to the positive and negative poles of the battery.



3. When pressing the battery cover back into place, pay attention to the direction of the battery cover and ensure that the cover is firmly closed (if the battery cover is installed upside down, the device will not power on normally)



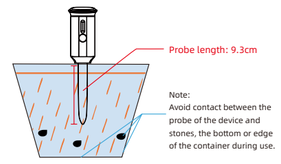
2. Instruction

Correct demonstration

The soil to be tested needs to be completely covered by the 3 probes

Error demonstration

When used, the soil being tested only covers half of the probe



Note:
Avoid contact between the probe of the device and stones, the bottom or edge of the container during use.

3. Usage scenario notes

(1) Since the probe of the soil sensor is 9.3 cm long, it is not suitable for potted plants with shallow soil. To ensure that the sensor can be used correctly, it is recommended that the soil depth of the potted plant should be 12 cm or more.
(2) When using the device, insert it gently to prevent the probe from bending or breaking.
(3) During installation, if the soil is too hard, it is recommended to water it until the soil is soft before testing.
(4) Soil sensors are not suitable for testing hydroponic plants. The conductivity change of the sensor in water is inaccurate and cannot truly reflect the moisture of the plant roots.

LED State

Device Status	LED State
Waiting Configuration Mode	The LED Light flashes twice per second
Reset	Long press the reset bottom for 7s, the led flashes to indicate successfully

Get Started

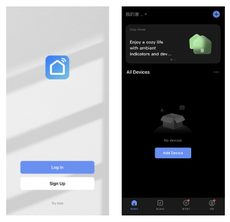
1. Download APP

Android system: Download the "Smart Life" APP at Google Play;
iOS system: Download the "Smart Life" APP from the Apple Store.

Available on the APP Store Available on the Google Play

2. Register and Login

2.1 Launch the "Smart life" app.
2.2 To register,enter your mobil phone number or email address,create a password ,then login to the app.
2.3 Login if you have an account already.

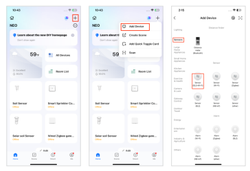


3. Add Devices

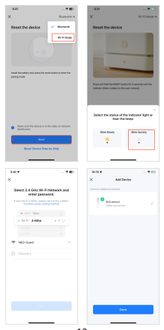
The device defaults to Wi-Fi network configuration mode; if the indicator light is off, press and hold the reset button for 5-7 seconds, then select the corresponding mode of the indicator light to add the device

3.1 Select the device type to add

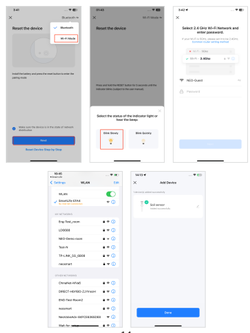
Note: All Wi-Fi products can be added by selecting any Wi-Fi option. The device only supports 2.4GHz Wi-Fi signals.



(1) Smart Wi-Fi Mode
Press the reset butt on until the device indicator flashes quickly, then add it (please follow the APP prompts)

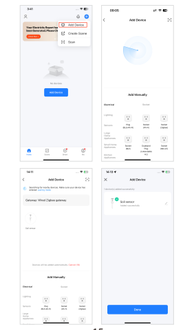


(2) AP compatible Mode
Press the reset button until the device indicator flashes slowly, then add it (please follow the APP prompts)

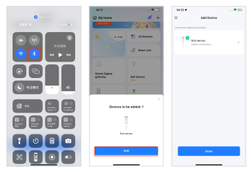


3.2 Bluetooth Mode

Method 1: Turn on Bluetooth on your phone and add the device via Bluetooth mode



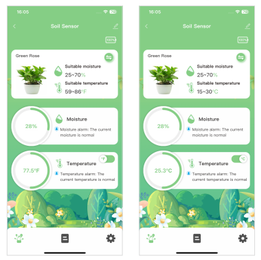
Method 2: After turning on Bluetooth, enter the APP and the device will be automatically searched by Bluetooth, then click Add



Functions and Settings

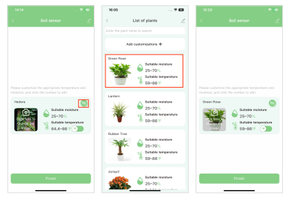
Main interface

Fahrenheit degree Celsius degree

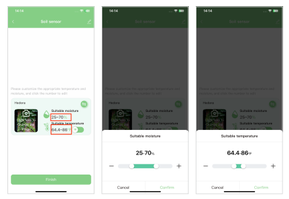


1. Plant List

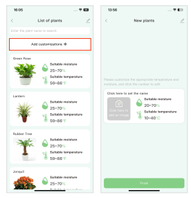
(1) View the list and select a plant



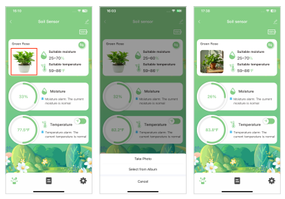
(2) Customize the suitable temperature and moisture for plants



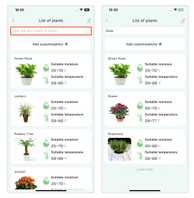
(3) Add new plants
customize and upload plant pictures and set appropriate temperature and moisture



(4) Custom plant images

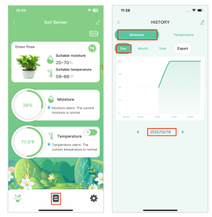


(5) Retrieve plants

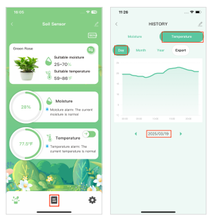


2. Record

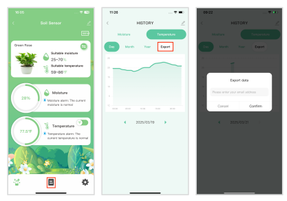
(1) Moisture record: you can adjust and view the moisture of the year, month, and day



(2) Temperature record: you can adjust and view the temperature of the year, month, and day

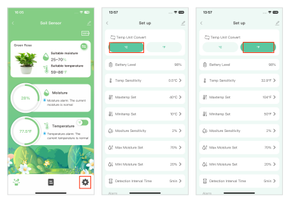


(3) Exporting Data

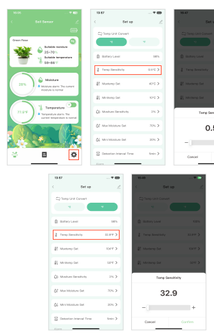


3. Setting parameters

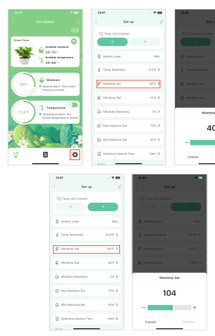
(1) Switch temperature scale



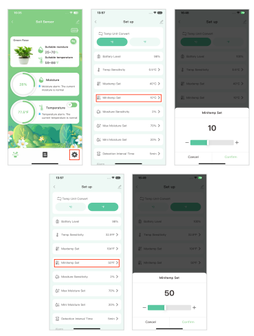
(2) Temperature sensitivity
Temperature setting range: 0.5℃～3℃ and 32.9℉～37.4℉



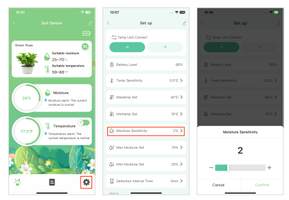
(3) Temperature upper limit setting
Temperature upper limit setting range: -10~60℃(14~140℉)



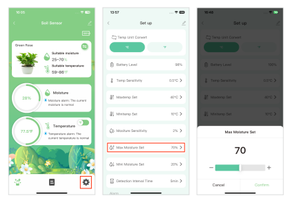
(4) Temperature lower limit setting
Temperature lower limit setting range: -10~60℃(14~140℉)



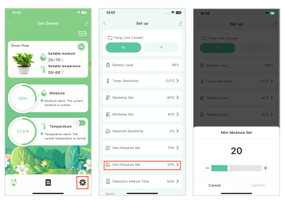
(5) Moisture sensitivity
Moisture setting range: 1% to 5%



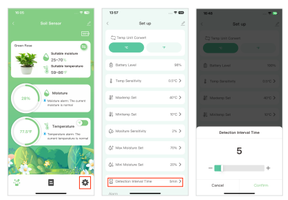
(6) Moisture upper limit setting
Moisture upper limit setting range: 0% ~ 100%



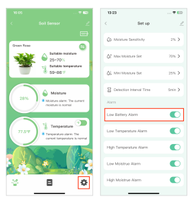
(7) Moisture lower limit setting
Moisture lower limit setting range: 0% ~ 100%



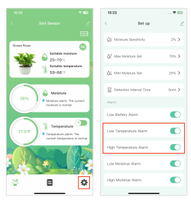
(8) Detection time
Detection time setting range: 1min ~ 30min



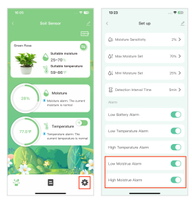
4. Low battery reminder



5. Temperature too high/too low reminder

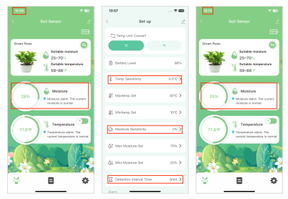


6. Moisture too high/too low reminder

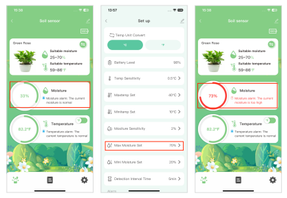


7. Detection logic description

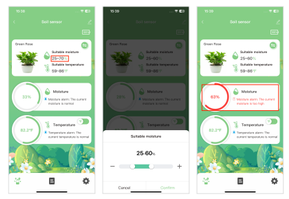
(1) Temperature and moisture reporting logic.
The device will trigger reporting based on the detection time, temperature sensitivity and moisture sensitivity. For example, if the detection time is set to 5 minutes, the temperature sensitivity is 0.5℃, and the moisture sensitivity is 2%. The device will detect once every 5 minutes. If the temperature changes by more than 0.5℃ or the moisture changes by more than 2%, the temperature and moisture values will be updated on the main interface of the APP.



(2)Temperature and moisture alarm logic
① The device will trigger an alarm based on whether the temperature is higher than the upper limit or lower than the lower limit. For example, if the max moisture is set to 70%, when the moisture exceeds 70%, a high moisture alarm will be triggered.



② The device will trigger an alarm based on whether the temperature is higher or lower than the set suitable temperature and moisture range. For example, if the suitable moisture range is set to 25%~60%, when the moisture exceeds 60%, a high moisture alarm will be triggered.



③ Temperature value display.
Detect the surface temperature of the soil

Other Function

1. Scene Linkage

For example:
when the soil temperature and moisture detect that the moisture is lower than 25%, the indoor drip irrigation is turned on and the opening time is 5 minutes (the time can be set). After 5 minutes, the irrigation equipment will automatically turn off.

2. View alarm records

3. Sharing device

4. Clear History

Delete the device through the APP and add it again to clear all device records and restore default settings

Due to the app update, the above interface is for reference only

FAQ

1. In addition to setting the automatic detection time in the APP, is there any other way to detect soil data?
Answer: Press the reset button, the device will immediately detect the temperature and moisture of the current soil, and each detection time is about 3 seconds.

2. In what range does the moisture value measured by the device indicate that the soil moisture is too high?
Answer: When the moisture of the device is around 80%, it means that the soil is too wet; in addition, it should be noted that the device cannot reach 100% moisture in the soil. The device defines 0% moisture in the air and 100% moisture in the water.

3. What should I pay attention to when using the device?
Answer: Every time you insert the device into the soil, insert it gently to prevent the probe from bending or breaking; when changing different soil tests, the probe needs to be cleaned in time during the replacement process to avoid affecting the sensing accuracy and stability of the device.

4. Is it normal that the device data changes slightly?
Answer: It is normal. The data changes slightly during the actual use of the device. If the temperature and moisture values are found to be unchanged for a long time, it is recommended to press the reset button for automatic detection.