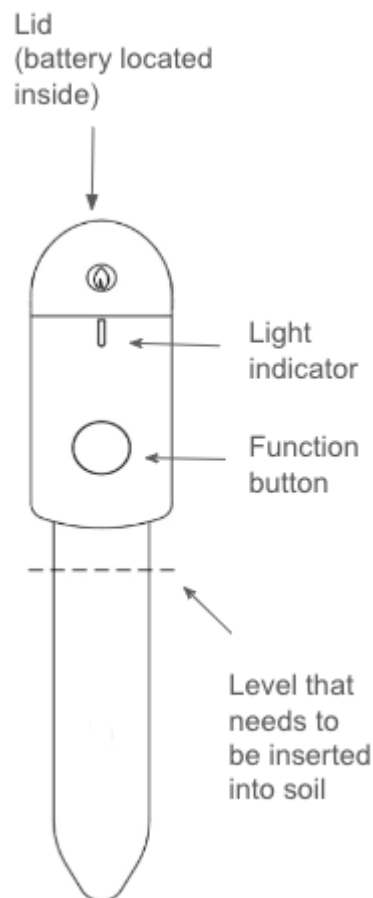


Soil Moisture Meter - User Manual

Initial Setup Instructions

- **Battery Setup:**
 - Before using the device for the first time, pull open the lid on the top of the meter and remove the internal plastic sheet next to the battery.
 - Replace the lid securely.
 - *Press and hold the function button for 3 seconds on first time use to calibrate the device. The light indicator will flash red slowly 5 times.*
- **Powering On/Off**
 - To turn on the device, press the function button. The red light flashes 3 times, indicating that the device is turned on.
 - To turn the device off, press and hold the button for 3 seconds. The device will flash red slowly 5 times, indicating that it is turning off.



Operating Modes

Quick Read Mode

This mode is designed for a fast and accurate reading of soil moisture levels. This is useful if you want to test several different plants.

1. Press the function button once. When the red light blinks three times, the device is powered on.
2. Insert the moisture meter into the soil, ensuring that 90% of the stake is submerged beneath the soil.
3. Wait for approximately 15 seconds for the device to measure the soil moisture.
4. To check the moisture level press the button again to get the reading.
 - **Red Light (0% - 15%):** Low moisture level – the soil is dry.

- **Green Light (16% - 60%):** Medium moisture level – the soil is adequately moist.
- **Blue Light (61% - 100%):** High moisture level – the soil is very wet.

Reminder Mode

This mode continuously monitors soil moisture and reminds you when it's time to water your plants. This is useful if you want ongoing monitoring on an individual plant to give you frequent updates on its moisture levels.

1. Press the function button once. When the red light blinks three times, the device is powered on.
2. Insert the moisture meter into the soil, ensuring that 90% of the stake is submerged beneath the soil.
3. When in prolonged contact with soil, the meter will flash at various intervals depending on the moisture level.
 - When the soil moisture is greater than 15%, the device will flash the light every 2 hours.
 - When the soil moisture drops below 15%, the light will flash every 5 minutes as a reminder to water the plant.

Light Indicators

Indicator	Meaning
Flashing red slowly 5 times	Device is powering down.
Flashing red quickly 3 times	Device is switched on and low moisture level is detected.
Flashing green once	Moisture level is good. Continue to monitor.
Flashing blue once	Moisture level is high. Allow the soil to dry out until the meter returns a green light.

Common Pitfalls

1. Not inserting the device into the soil far enough. If the device is only inserted half-way, it may give an inaccurate reading.
2. Do not remove the device from the soil during testing. You should wait 15 seconds before pressing the button to obtain an accurate reading.
3. The device is designed to test soil moisture, not air. Do not move the device in quick succession between plants as the device can provide inaccurate readings. You need to wait for 15 seconds after inserting the probe into the soil to obtain a correct reading.
4. Do not remove the probe from the soil during the 15 second testing interval. This can lead to inaccurate readings.
5. Pressing the button in succession too quickly. This can cause the device to flash red quickly 3 times.

Troubleshooting

Problem	Possible Cause	Solution
Device does not turn on	Battery not installed correctly.	Ensure the battery is properly installed and the plastic sheet next to the battery is removed.
	Battery is depleted.	Replace with a new 2032 button battery.
No light when the button is pressed	Device is not properly powered on.	Press the button once to ensure the device is powered on.
	Battery is depleted.	Replace with a new 2032 button battery.
Incorrect or inconsistent moisture readings	Device not inserted deep enough into the soil.	Ensure 90% of the stake is inserted into the soil.
	Soil probe was removed too quickly.	Leave the device in the soil for at least 15 seconds before pressing the button again.
	Device being moved between plants too quickly.	Wait at least 15 seconds after insertion into each soil sample for an accurate reading.
Red light flashes 3 times but no moisture reading	Device is detecting air instead of soil.	Ensure the device is properly inserted into the soil and not detecting air.
Device continually flashes red light	Device might be restarting due to incorrect handling.	Ensure the device remains in the soil during the entire testing process.
Reminder mode not working properly	Soil moisture levels not correctly detected.	Ensure the device is deeply inserted into the soil and left undisturbed.
Battery depletes quickly	Device left on unintentionally.	Turn off the device when not in use by holding the button for 3 seconds.

FAQ

How do I turn it on?

To turn on the device, quickly press the button once. The device will flash red quickly 3 times to indicate that it is on.

How do I turn it off?

To turn the device off, press and hold the button for 3 seconds. The device will flash red slowly 5 times, indicating that it is turning off.

How do I know if it is off?

The device is off when it flashes red slowly 5 times after pressing and holding the button for 3 seconds.

When I press and hold for 3 seconds, it flashes red slowly 5 times. What does this mean?

This means the device is turning off.

When I press the button when it is not in soil, it flashes red quickly 3 times. What does this mean?

The red indicator flashing quickly 3 times means that there is a low moisture level detected. This could be a result of dry soil or that it has not yet been inserted into soil.

How long will the battery last?

The battery life depends on usage but generally lasts approximately 6 months to a year.

How often does the battery need to be replaced?

The battery needs to be replaced when it runs out, typically once a year.

Can I test multiple different soils in quick succession?

Yes, you can test multiple soils in quick succession. Insert the device into each new soil sample, wait 15 seconds, then press the button once to obtain the reading.

How long do I have to wait after the device has been put into the soil to get an accurate reading?

You need to wait for approximately 15 seconds after inserting the probe into the soil to obtain an accurate reading.