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Splenssy Intelligent Soil Detector

Splenssy 6-in-1 Soil Tester User Manual

Model: Intelligent Soil Detector

Brand: Splenssy

INTRODUCTION

The Splenssy 6-in-1 Soil Tester is a versatile tool designed to help you monitor the health of your soil and optimize plant growth. This device provides accurate readings for six key parameters: soil moisture, fertility, pH level, temperature, ambient humidity, and light intensity. Its 90-degree rotatable display and backlit LCD ensure clear readability in various conditions.

Understanding these soil conditions is crucial for effective gardening, whether for indoor plants, outdoor gardens, lawns, or farms. This manual provides detailed instructions for setting up, operating, and maintaining your soil tester to ensure accurate and reliable results.

6-in-1 Soil Moisture Meter

(can be rotated 90 degrees)

- | | |
|-----------------------|--------------------|
| Fertility test | PH detection |
| Temperature detection | Humidity detection |
| Light detection | Air humidity |



Image: The Splenssy 6-in-1 Soil Tester, illustrating its multi-functional capabilities and rotatable display for easy viewing.

SAFETY INFORMATION AND PRECAUTIONS

- Do not insert the metal probe into very hard soil or other hard objects to prevent damage to the probe.
- This product is designed exclusively for testing soil. Do not use it for testing pure water or other liquids.
- Avoid leaving the probe inserted in soil for extended periods to prevent corrosion and maintain data accuracy.
- Always clean the probe thoroughly after each use to ensure it remains in a clean state.
- Soil test data may vary at different depths. For best results, take multiple readings and average the data.
- When testing soil fertility or pH, ensure the soil is moist.

PACKAGE CONTENTS

Please check the package for the following items:

- 1 x Splenssy 6-in-1 Soil Tester

- 1 x User Manual (this document)

Note: 2 x AAA batteries are required and are not included in the package.

PRODUCT OVERVIEW

Familiarize yourself with the components of your Splenssy 6-in-1 Soil Tester:

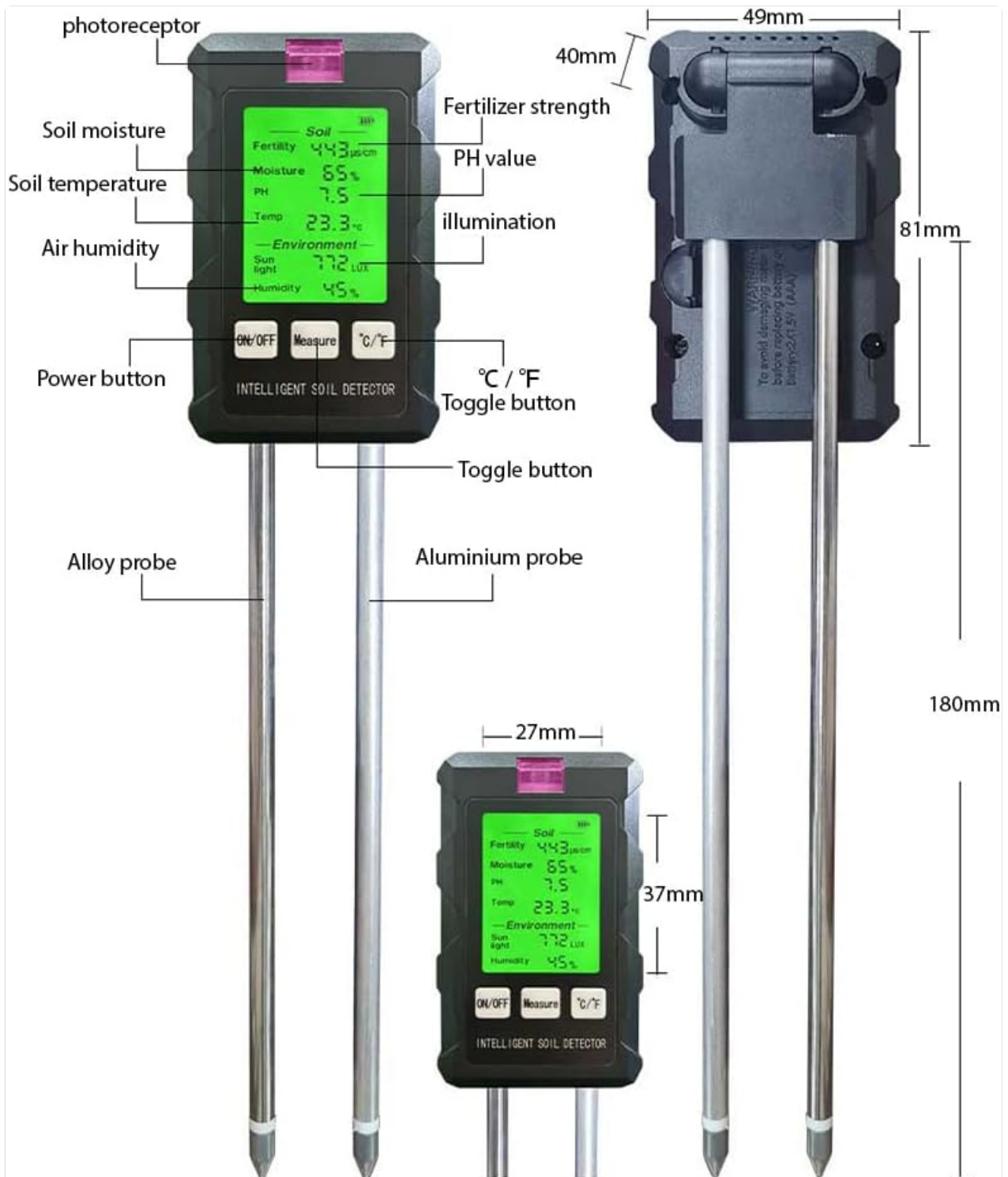


Image: Detailed diagram of the soil tester, indicating the location and function of its various parts, including probes, display, and buttons.

- **Display Screen:** Backlit LCD for clear readings of all parameters.
- **ON/OFF Button:** Powers the device on or off.
- **Measure Button:** Initiates a measurement cycle.
- **°C/°F Button:** Toggles temperature units between Celsius and Fahrenheit.
- **Photoreceptor:** Sensor for detecting light intensity.

- **Alloy Probe:** Used for various soil measurements.
- **Aluminium Probe:** Used for various soil measurements.
- **Battery Compartment:** Located at the back, requires 2 AAA batteries.

SETUP

1. Battery Installation

1. Locate the battery compartment on the back of the device.
2. Open the battery cover.
3. Insert 2 AAA batteries, ensuring correct polarity (+/-).
4. Close the battery cover securely.



Image: The battery compartment of the soil tester, illustrating where to insert the AAA batteries.

2. Initial pH Calibration (Optional but Recommended)

For optimal pH accuracy, perform a 0-point calibration:

1. Thoroughly clean the probe.
2. Press and hold the "Measure" button until the soil indicator light illuminates.
3. Once the flashing stops, release the "Measure" button to complete the pH 0 calibration.

OPERATING INSTRUCTIONS

General Measurement Steps:

1. **Power On:** Press the "ON/OFF" button to turn on the device. The backlit LCD will illuminate.
2. **Prepare Soil:** Ensure the soil is moist enough for accurate readings, especially for pH and fertility tests. Remove any large debris or rocks from the testing area.
3. **Insert Probe:** Gently insert the metal probes vertically into the soil to the desired depth (approximately 7.1 inches or 180mm, up to the base of the plastic housing). Avoid forcing the probes into hard soil.
4. **Take Reading:** Press the "Measure" button. The device will display readings for all six parameters within approximately 3 seconds.
5. **Read Data:** Observe the values on the backlit display. The display can be rotated 90 degrees for easier viewing.
6. **Remove Probe:** Carefully withdraw the probes from the soil.
7. **Clean Probe:** Immediately clean the probes after use (see Maintenance section).
8. **Power Off:** Press the "ON/OFF" button to turn off the device, or it will automatically power off after a period of inactivity to conserve battery.

Specific Parameter Guidance:

Moisture Measurement

The device displays soil moisture as a percentage (0-99%). Refer to the general measurement steps. Different plants have varying moisture requirements. The display provides a clear indication of current moisture levels.

Soil moisture Always in control

Plants have different water requirements
Control the amount of water, easy to adjust



Image: The soil tester showing a moisture reading of 65%, accompanied by a color-coded scale indicating different moisture levels from dry to wet.

Fertility Measurement

The fertility reading helps assess nutrient levels in the soil. Ensure the soil is adequately moist for accurate fertility readings. Adjust fertilization based on the results to promote healthy plant growth.

Accurately grasp the fertility of soil

3 seconds to read the test results, accurate data, a variety of soil, comprehensive care



Measure the soil at any time and anywhere, and make the soil fertile and balanced according to the soil fertility condition, so as to achieve the growth environment suitable for plants

Image: Comparison illustrating the impact of soil fertility on plant health, with the tester indicating optimal conditions for growth.

pH Measurement

The pH value (3.5-9) indicates the acidity or alkalinity of the soil. Ensure the soil is moist for accurate pH readings. If you performed the optional pH calibration during setup, your readings will be more precise.

Temperature Measurement

The device measures soil temperature (0-50°C / 32-122°F). Use the "°C/°F" button to switch between Celsius and Fahrenheit units as preferred.

Humidity Measurement

This refers to the ambient humidity around the device, displayed as a percentage (0-99%).

Light Measurement

The photoreceptor on the device measures ambient light intensity (0-100000 LUX). Position the device to ensure the photoreceptor is exposed to the light conditions you wish to measure.

MAINTENANCE

Cleaning the Probes:

- After each use, gently wipe the metal probes with a clean, damp cloth to remove any soil residue.
- Ensure the probes are completely dry before storing the device.
- Do not use abrasive cleaners or immerse the main body of the device in water.

Storage:

- Store the soil tester in a cool, dry place, away from direct sunlight and extreme temperatures.
- If the device will not be used for an extended period, remove the batteries to prevent leakage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Batteries are dead or incorrectly installed.	Check battery polarity; replace with new AAA batteries.
Inaccurate or fluctuating readings.	Probes are dirty; soil is too dry; probe damaged; multiple readings not averaged.	Clean probes thoroughly; moisten soil before testing; ensure probes are not damaged; take multiple readings and average.
Probe difficult to insert into soil.	Soil is too hard or compacted.	Do not force the probe. Loosen the soil gently before insertion, or choose a softer testing spot.
Display is dim or unreadable.	Low battery; extreme lighting conditions.	Replace batteries; use the backlit feature in low light; avoid direct harsh sunlight on the display.

SPECIFICATIONS

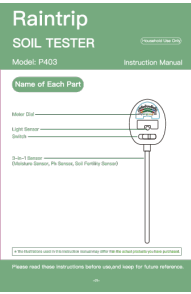
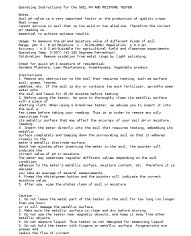
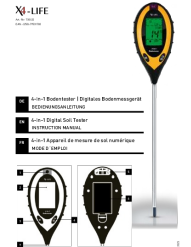


Parameter	Range
Moisture	0-99%
pH	3.5-9
Temperature	0-50 °C / 32-122 °F
Sunlight (Illumination)	0-100000 LUX
Humidity (Ambient)	0-99%
Battery	2 x AAA battery (not included)
Product Size	49 x 40 x 81 mm (1.9 x 1.6 x 3.2 inches)
Probe Length	180 mm (7.1 inches)
Item Weight	5.1 ounces

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact

Splenssy customer service directly. Contact details can typically be found on the product packaging or the official Splenssy website.

Related Documents - Intelligent Soil Detector

	<p>Raintrip P403 Soil Tester Instruction Manual</p> <p>Comprehensive guide for the Raintrip P403 Soil Tester, detailing its features, usage, and specifications for accurate soil analysis. Learn how to measure moisture, light, pH, and soil fertility for optimal plant growth.</p>
	<p>Soil pH and Moisture Tester: Operating Instructions and Usage Guide</p> <p>Detailed operating instructions for the Soil pH and Moisture Tester. Learn how to measure soil pH and moisture levels accurately for gardens, lawns, and agriculture. Includes usage, calibration, applications, and important cautions.</p>
	<p>X4-LIFE 4-in-1 Digital Soil Tester Instruction Manual</p> <p>Comprehensive instruction manual for the X4-LIFE 4-in-1 Digital Soil Tester, covering its features, usage, safety guidelines, and maintenance. Learn how to accurately measure soil pH, temperature, moisture, and light intensity for optimal plant care.</p>
	<p>3-in-1 Soil Meter: pH, Moisture, and Light Measurement Guide</p> <p>Comprehensive guide to using the 3-in-1 Soil Meter for measuring soil pH, moisture levels, and light intensity. Essential tool for gardeners to ensure optimal plant health.</p>
	<p>X4-LIFE 4-in-1 Digital Soil Tester: Instruction Manual</p> <p>Comprehensive instruction manual for the X4-LIFE 4-in-1 Digital Soil Tester, covering setup, operation, safety, and maintenance for accurate soil pH, temperature, moisture, and light intensity measurements.</p>



[3-in-1 Soil Tester: Measure Sunlight, Moisture, and pH](#)

A guide to using the 3-in-1 Soil Tester, a device that measures sunlight, moisture, and pH levels in soil to help maintain healthy plants. Includes instructions, sensor explanations, and product specifications.