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Browin 071605

Browin 071605 3-in-1 Soil Tester User Manual

Model: 071605

INTRODUCTION

The Browin 071605 3-in-1 Soil Tester is an essential tool for gardeners, plant enthusiasts, and agricultural professionals. This versatile device allows for quick and accurate measurement of three critical soil parameters: pH level, moisture content, and light intensity. Understanding these factors is crucial for maintaining optimal plant health and ensuring successful growth in gardens, greenhouses, and potted plants.

This manual provides detailed instructions on how to use, maintain, and troubleshoot your soil tester to achieve the best results. The device operates without batteries, offering a convenient and eco-friendly solution for soil analysis.





This image displays the Browin 071605 3-in-1 Soil Tester, highlighting its green casing, measurement dial, and two metallic probes designed for insertion into soil.

SAFETY INFORMATION

- This device is designed for soil testing only. Do not immerse the main unit in water or other liquids.
- Avoid bending or damaging the metal probes. Handle with care.
- Keep out of reach of children.
- Clean the probes thoroughly after each use to prevent contamination and ensure accurate readings.
- Do not attempt to disassemble or modify the device.

PACKAGE CONTENTS

The Browin 071605 3-in-1 Soil Tester package typically includes:

- 1 x Browin 071605 3-in-1 Soil Tester unit

PRODUCT OVERVIEW

The Browin 071605 Soil Tester features a durable green plastic casing, a clear analog display, and two long metal probes. The display includes scales for pH, moisture, and light. A switch on the unit allows you to select the desired measurement function.





A technical diagram illustrating the physical dimensions of the Browin 071605 3-in-1 Soil Tester, including its length (260mm), width (60mm), and depth (37mm).

SETUP

The Browin 071605 3-in-1 Soil Tester requires no assembly or batteries. It is ready for use directly out of the package.

1. **Unpack the device:** Carefully remove the soil tester from its packaging.
2. **Clean the probes:** Before first use, gently wipe the metal probes with a clean, damp cloth to remove any dust or residue.

OPERATING INSTRUCTIONS

To ensure accurate readings, follow these steps carefully for each measurement type. Always clean the probes before and after each use.



The soil tester is shown inserted into garden soil, positioned beside a small green plant, demonstrating its typical use in a planting environment.

1. Moisture Measurement

1. Set the switch on the device to the "MOIST" position.
2. Insert the metal probes into the soil up to the root level of the plant, ensuring both probes are fully submerged. Avoid touching stones or hard objects.
3. Wait approximately 60 seconds for the needle to stabilize.
4. Read the moisture level on the dial. The scale typically ranges from 1 (DRY) to 10 (WET).
5. Remove the probes and clean them thoroughly.

2. pH Measurement

1. Set the switch on the device to the "pH" position.
2. Insert the metal probes into the soil up to the root level of the plant. Ensure the soil is slightly moist for accurate pH readings. If the soil is dry, water it and wait 30 minutes before testing.
3. Wait approximately 60 seconds for the needle to stabilize.

4. Read the pH level on the dial. The scale typically ranges from 3 (ACIDIC) to 10 (ALKALINE).
5. Remove the probes and clean them thoroughly.

3. Light Measurement

1. Set the switch on the device to the "LIGHT" position.
2. Point the light sensor (located on the top of the device) towards the light source. The probes do not need to be inserted into the soil for this measurement.
3. Read the light intensity on the dial. The scale typically ranges from 0 (DARK) to 2000 (LIGHT).
4. No cleaning of probes is required after light measurement.



A four-panel image showing the process of using the soil tester: a person watering a plant, holding the tester, and inserting it into the soil near the plant.



This image contrasts the correct application of the soil tester in a potted plant's soil with an incorrect application where the tester is submerged in water with cut flowers, emphasizing that it is designed for soil, not liquids.

MAINTENANCE

- **Cleaning:** After each use, wipe the metal probes clean with a soft, damp cloth to remove any soil particles or residue. Do not use abrasive cleaners or immerse the entire unit in water.
- **Storage:** Store the soil tester in a cool, dry place, away from direct sunlight and extreme temperatures. Keep the probes protected to prevent damage.
- **Probe Condition:** Regularly inspect the probes for any signs of corrosion or damage. Damaged probes may affect accuracy.

TROUBLESHOOTING

Problem: Inaccurate or no reading for moisture/pH.

Solution:

- Ensure the probes are clean. Residue can interfere with conductivity.
- Make sure the probes are fully inserted into the soil, reaching the root level.
- For pH readings, ensure the soil is adequately moist. If dry, water the soil and wait 30 minutes before retesting.
- Avoid inserting probes into very hard or rocky soil, which can damage them or prevent proper contact.
- Wait the recommended 60 seconds for the needle to stabilize.

Problem: Needle fluctuates excessively.

Solution:

- Ensure the probes are firmly inserted and not loose in the soil.
- Check for air pockets around the probes. Gently press the soil around the probes to ensure good contact.

Problem: Light reading seems incorrect.

Solution:

- Ensure the light sensor on top of the device is not obstructed and is pointed directly at the light source.
- Test in different lighting conditions to confirm functionality.

SPECIFICATIONS

Feature	Specification
Model Number	071605
Functions	pH, Moisture, Light
pH Measurement Range	3.0 - 10.0 pH
Moisture Measurement Range	1 (DRY) - 10 (WET)
Light Measurement Range	0 (DARK) - 2000 (LIGHT)
Power Source	No batteries required
Product Dimensions	6 x 3.7 x 26 cm
Item Weight	60 Grams
Color	Green

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact Browin customer service directly. Keep your proof of purchase for any warranty claims.



