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RCYAGO Soil pH Meter

RCYAGO Soil pH and Moisture Meter Instruction Manual

Model: Soil pH Meter

1. PRODUCT OVERVIEW

The RCYAGO Soil pH and Moisture Meter is a battery-free, two-in-one device designed to measure both soil pH and moisture levels. Equipped with a 300mm long metal probe, it allows for accurate readings at various soil depths, helping you maintain optimal conditions for plant growth. This tool is suitable for a wide range of applications, including indoor and outdoor gardening, flower planting, succulent care, and vegetable cultivation.



Image 1.1: RCYAGO Soil pH and Moisture Meter showing overall design and dimensions (300mm probe length, 112mm handle height, 50mm width).

2. KEY FEATURES

- **Two-in-One Functionality:** Measures both soil pH (range 3-8Ph) and moisture (range 1-10, 10%-80%).
- **High-Precision Probe:** Features a 300mm super long metal probe for testing at different depths.
- **Battery-Free Operation:** No batteries required, ensuring ease of use and environmental friendliness.
- **Easy to Use:** Simple plug-and-play design with a single button to switch between pH and humidity functions.
- **Durable Construction:** Highly sensitive metal probe designed for accurate and long-lasting performance.
- **Wide Application:** Ideal for various planting environments, including gardens, farmlands, indoor pots, and outdoor landscapes.

NO BATTERY REQUIRED
PLUG AND PLAY



PH / HUMIDITY
SWITCH BUTTON



METAL ELECTRODE
Quickly detect soil pH/moisture value



Image 2.1: Close-up view highlighting the battery-free design, PH/Humidity switch button, and the metal electrode for quick detection.

3. SETUP AND INITIAL USE

The RCYAGO Soil pH and Moisture Meter requires no assembly or batteries. It is ready for use directly out of the packaging.

3.1 First-Time Use

1. Gently clean the metal probe with a soft cloth before first use.
2. Ensure the soil is moist. If the soil is dry, water it thoroughly and wait 20-30 minutes before testing.

How to use soil tester



1. Insert the soil clockwise



2. Read after the value is stable



3. Multi-point measurement and average value

PRECAUTIONS

1. The metal probe must be in full contact with the soil and compacted
2. When inserting the electrode, do not use too much force, otherwise the electrode will be easily damaged
3. After the measurement, the soil particles on the surface of the probe must be cleaned in time, and the probe must be kept dry and stored



4. Press and hold the button PH/humidity mode switch

Image 3.1: Visual guide for inserting the meter into soil and reading values.

4. OPERATING INSTRUCTIONS

4.1 Measuring Soil pH

1. Insert the metal probe into the soil clockwise, ensuring it reaches a depth of at least 10cm (approximately 4 inches) for accurate readings. The probe should be in full contact with the soil and compacted.
2. Wait for the pointer on the dial to stabilize (typically 5-10 minutes).
3. Read the pH value directly from the dial. The pH scale is usually indicated with a range of 3-8.
4. For multi-point measurement, repeat the process in different areas and average the values for a comprehensive understanding of your soil's pH.



Image 4.1: Soil pH grade chart, indicating ranges for very strong acid, strong acid, acidic, neutral, and alkaline soil conditions.

4.2 Measuring Soil Moisture

1. Insert the metal probe into the soil as described for pH measurement.
2. Press and hold the white button located on the side of the meter. The pointer will automatically jump to the humidity reading.
3. Wait for the pointer to stabilize before reading the moisture level.
4. Release the button to return to pH measurement mode.



Image 4.2: Soil moisture level chart, categorizing readings into dry (1-3), suitable (4-7), and wet (8-10).

4.3 Visual Guide: Product Usage

Your browser does not support the video tag.

Video 4.1: Official RCYAGO video demonstrating the insertion of the meter into soil, waiting for stabilization, and switching between pH and humidity measurements.

5. MAINTENANCE

- **Clean After Use:** Always clean the electrode head thoroughly after each use to remove any soil particles.
- **Keep Dry:** Ensure the probe is completely dry before storing the meter.
- **Storage:** Store the meter in a dry place, away from direct sunlight and extreme temperatures.
- **Avoid Liquids:** This product is designed exclusively for soil testing. Do not use it for testing any liquids.

6. TROUBLESHOOTING

- **Inaccurate Readings:** Ensure the soil is adequately moist. Dry soil can lead to inaccurate or no

readings. Water the soil and wait 20-30 minutes before retesting.

- **Pointer Not Stabilizing:** Make sure the probe is fully inserted into the soil (at least 10cm deep) and compacted. Loose contact with soil can affect stability.
- **Difficulty Switching Modes:** When measuring humidity, press and **hold** the button until the pointer stabilizes. Releasing the button will revert to pH mode.
- **Probe Damage:** Do not use excessive force when inserting the electrode into hard or rocky soil, as this can damage the probe.
- **No Reading in Liquids:** This meter is specifically designed for soil. It will not provide accurate readings in water or other liquids.

7. SPECIFICATIONS

Specification	Value
Product Dimensions	16.14 x 2.01 x 2.01 inches
Item Weight	8.9 ounces
Manufacturer	RCYAGO
Model Number	Soil pH Meter
pH Measurement Range	3-8 pH
Moisture Measurement Range	1-10 (10%-80%)
Electrode Length	300mm
Power Source	No battery needed

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact RCYAGO customer service through your retailer or the official RCYAGO website. Please have your product model number and purchase date available when contacting support.