

Thlevel 166047

Thlevel Soil Moisture Meter 166047 Instruction Manual

Model: 166047

1. INTRODUCTION

The Thlevel Soil Moisture Meter is a simple, convenient, and easy-to-read device designed to help you monitor the moisture levels of your plants. This battery-free, plug-and-play meter is suitable for a wide range of applications, including gardens, farms, lawns, and various potted plants, both indoors and outdoors. By providing accurate moisture readings, it assists in maintaining optimal growing conditions for healthy plant growth.

This manual provides detailed instructions on how to use and care for your soil moisture meter to ensure its longevity and accurate performance.



Figure 1: Key features of the Thlevel Soil Moisture Meter, including fast testing, no battery requirement, high precision, easy operation, and environmental friendliness.

2. PACKAGE CONTENTS

Your Thlevel Soil Moisture Meter package includes the following items:

- 2 x Thlevel Soil Moisture Meters

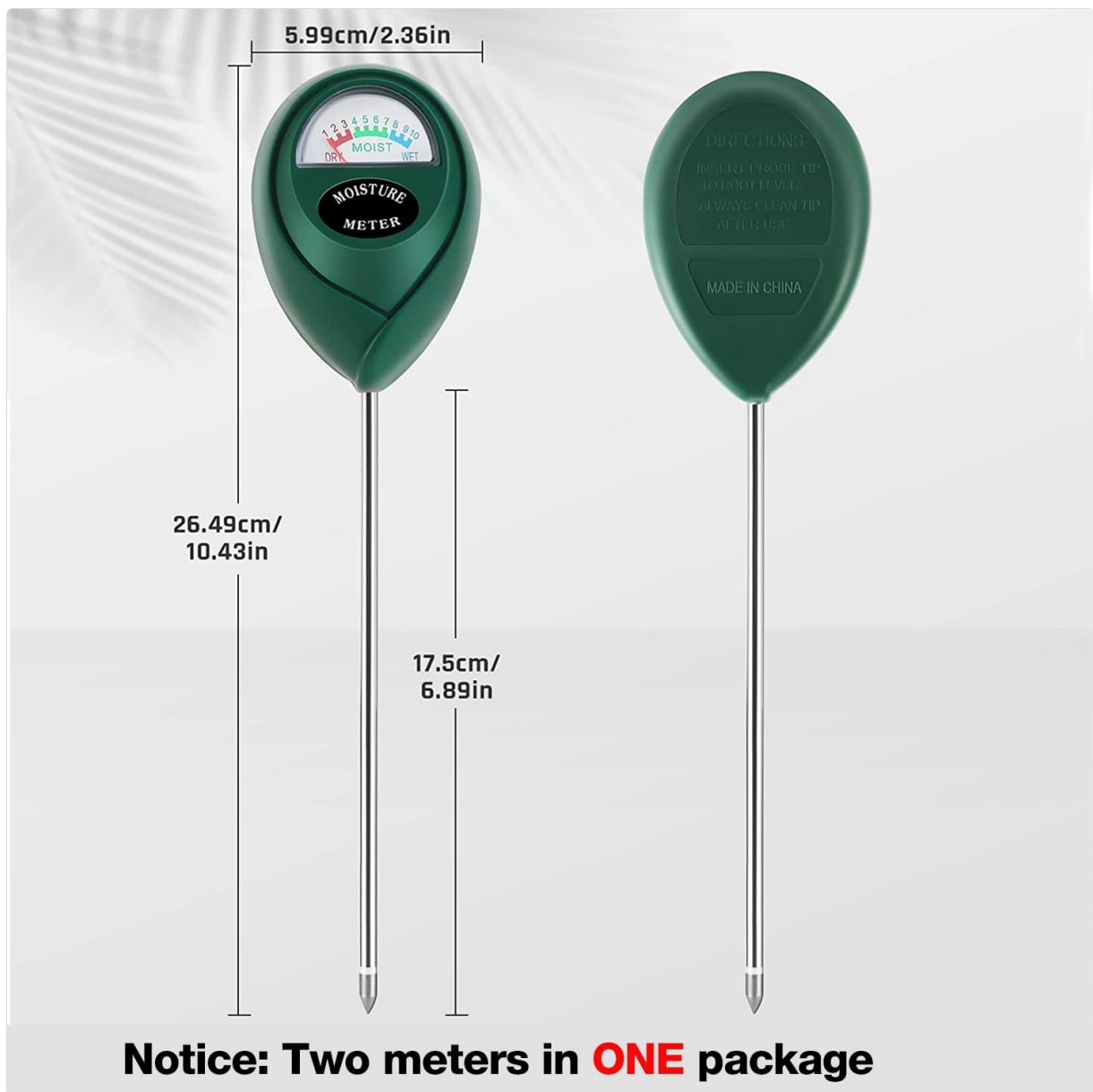


Figure 2: The package contains two Thlevel Soil Moisture Meters. The image displays the meter's dimensions, including the probe length and overall size.

3. SETUP

The Thlevel Soil Moisture Meter is designed for immediate use without the need for batteries or complex setup procedures. Simply remove the protective cap from the probe before use.

1. Unpack the soil moisture meter from its packaging.
2. Carefully remove the protective cap from the metal probe tips. Keep the cap for storage after use.

4. OPERATING INSTRUCTIONS

Follow these steps to accurately measure the moisture level of your soil:

1. **Insert the Probe:** Gently insert the metal probe of the meter into the soil, pushing it down to the root level of the plant (approximately 2/3 of the probe length). Ensure the probe is fully in contact with the soil.
2. **Adjust Position:** Slightly adjust the position of the probe until the pointer on the dial begins to swing.

This indicates proper contact with the soil.

3. **Read Moisture Level:** Wait for a few minutes until the pointer stabilizes. Once stable, read the moisture level indicated on the dial. The dial is color-coded for easy interpretation:

- **Red (1-3):** Indicates dry soil. Your plant needs water.
- **Green (4-7):** Indicates moist soil. Optimal moisture level.
- **Blue (8-10):** Indicates wet soil. Reduce watering.

4. **Repeat for Accuracy:** For more accurate results, it is recommended to take readings from several different spots around the plant.



Figure 3: Step-by-step guide for operating the soil moisture meter, from insertion to reading and cleaning.

Durable, Not Easy to Rust

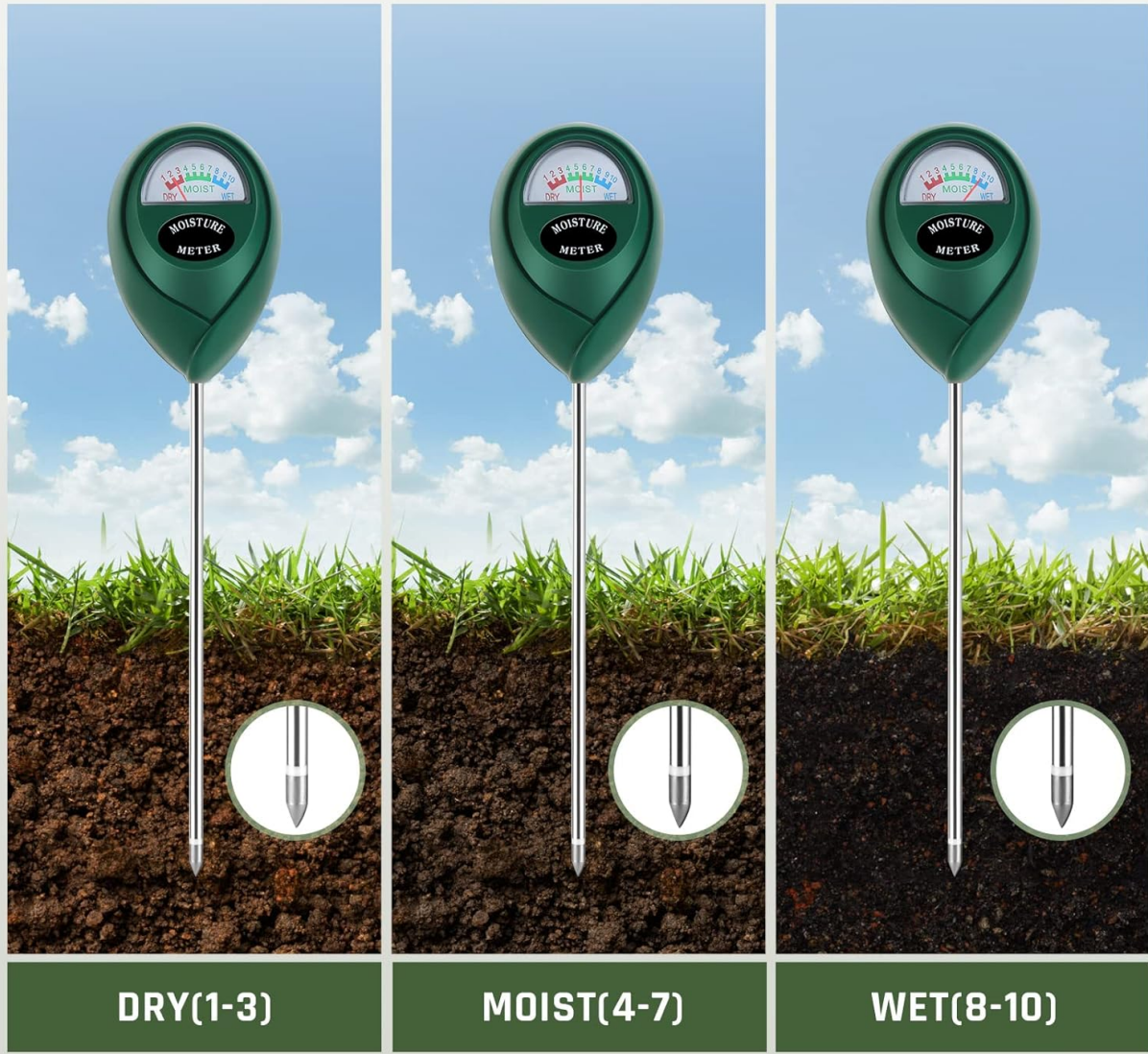


Figure 4: Visual representation of the moisture meter's readings, categorizing soil as Dry, Moist, or Wet based on the dial indicator.

5. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your soil moisture meter:

- **Clean After Each Use:** After each use, remove the probe from the soil and wipe it clean with a dry cloth to remove any dirt or residue.
- **Store Properly:** Reattach the protective cap to the probe tips before storing the meter. This prevents damage to the probes and maintains accuracy for future measurements.

6. IMPORTANT ADVICE & WARNINGS

To prevent damage to the meter and ensure accurate readings, please observe the following:

- **Do Not Use for Water Testing:** This meter is designed exclusively for soil moisture measurement. Do not use it to test water or any other liquids, as this may cause permanent damage to the sensor.
- **Avoid Stones:** When inserting the probe into the soil, avoid hitting stones or hard objects, which can

bend or break the probe tips.

- **Avoid Hard Surfaces:** Do not use the meter to test hard ground, concrete, or floors.
- **Do Not Leave in Soil:** Do not leave the meter in the soil for extended periods. Remove it after taking your reading and clean it.



Figure 5: Visual warnings illustrating improper uses of the soil moisture meter that can lead to damage or inaccurate readings.

7. SPECIFICATIONS

Feature	Specification
Brand	Thlevel
Model Number	166047
Color	Green
Battery Requirement	No Battery Required
Upper Temperature Rating	55 °C

8. TROUBLESHOOTING

If you encounter issues with your Thlevel Soil Moisture Meter, consider the following common troubleshooting steps:

- **No Reading/Fluctuating Reading:** Ensure the probe is inserted deep enough into the soil (to root level) and is making good contact. The soil might be too dry to register a reading; try watering the plant and retesting after 20-30 minutes.
- **Inaccurate Reading:** Make sure the probe tips are clean. Residue can affect conductivity. Also, ensure you are not testing on hard surfaces or in water, as this meter is specifically for soil.
- **Damaged Probe:** If the probe is bent or broken, it may have been inserted into hard soil or hit a stone. Refer to the warnings section to prevent future damage.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact the retailer or manufacturer directly. Keep your purchase receipt as proof of purchase.