



MAXYIELD PH METER 3:1

Digital Soil pH • Moisture • Temperature Tester



USER MANUAL

Function	Range / Information
Soil pH	pH 3–9
Soil moisture	0–90%
Temperature	-10°C to 90°C (14°F to 194°F)
Power	3 × AAA alkaline batteries
Display	Backlit LCD



Controls	Power button and MEAS button
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1. Intended Use

The Maxyield PH Meter 3:1 is a handheld soil tester designed to provide an indicative reading of soil pH, soil moisture and soil temperature. It is intended for use in garden soil, potting mixes, raised beds, lawns and similar growing media.

Important: This instrument is a soil tester. Do not use it as a laboratory-grade pH meter or for testing drinking water, food or other liquids.

2. Controls and Display

- Power button – switches the meter on and off.
- MEAS button – starts a measurement after the probes have been inserted into the soil.
- LCD display – shows pH, moisture percentage and temperature. A battery icon indicates battery status.
- Dual probes – the two metal probes are inserted into the soil to obtain the readings.

3. Installing the Batteries

1. Open the battery compartment on the rear of the meter.
2. Insert 3 × AAA alkaline batteries, observing the polarity markings.
3. Close the battery compartment securely.
4. Replace the batteries when the battery symbol indicates low power or the display becomes weak.

4. Taking a Soil Measurement

1. Remove stones, hard debris and other objects from the intended test point. If the soil is extremely dry or compacted, loosen it carefully before inserting the probes.
2. Press the Power button to switch on the meter.
3. Insert both probes straight into the soil. Insert approximately two-thirds of the probe length, without forcing or bending the probes.
4. Press the MEAS button. The display will flash for approximately 8 seconds while the measurement is taken.
5. Read the pH, moisture and temperature values on the display.
6. For a more representative result, take several measurements in different places and compare the readings.



7. After use, remove the meter from the soil, switch it off and clean the probes.

5. Reading the Display

Display	Meaning	Range
PH	Soil acidity / alkalinity	3–9
MOIST	Soil moisture	0–90%
TEMP	Soil temperature	-10°C to 90°C / 14°F to 194°F

6. Temperature Unit and Automatic Power-Off

The meter supports Celsius and Fahrenheit display. The supplied product instructions state that the instrument also includes an automatic power-saving shutdown after approximately 30 seconds without operation.

7. Care and Cleaning

- Wipe soil from both probes immediately after every use with a soft, slightly damp cloth.
- Do not use abrasive cleaners, solvents or corrosive chemicals.
- Do not immerse the meter body in water.
- Keep the probe tips clean and dry during storage.
- Store the meter indoors in a dry place and remove the batteries before long-term storage.

8. Important Measurement Notes

- Soil pH readings can vary with soil moisture, fertilizer concentration, salts and the exact test location.
- Very dry soil may give unstable or unrepresentative readings. Test under normal growing moisture conditions.
- Do not force the probes into stones, roots, frozen soil or very hard ground; this can damage or bend them.
- Allow the probes to make good contact with the surrounding soil.
- Use repeated measurements when making cultivation or fertilization decisions.

9. Troubleshooting

Symptom	What to check
No display	Check battery polarity and battery condition. Replace all three AAA batteries if necessary.
Unstable reading	Ensure both probes are fully in contact with soil. Avoid loose air pockets and take another reading nearby.
Unexpected pH value	Clean the probes, test at normal soil moisture and repeat the measurement at several points.



Moisture reads 0%	Check that both probes are inserted sufficiently and are in direct contact with the soil.
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10. Specifications

Product name	Maxyield PH Meter 3:1
Measuring functions	Soil pH, soil moisture, temperature
pH range	3–9
Moisture range	0–90%
Temperature range	-10°C to 90°C (14°F to 194°F)
Battery	3 × AAA alkaline batteries
Display	Large-screen LCD with backlight
Power saving	Automatic shutdown after approx. 30 seconds without operation

11. Safety

Keep the instrument and batteries away from children. Do not use damaged or leaking batteries. Do not disassemble the meter. The probes have pointed ends; handle and store the instrument carefully.