

# Instructions Prof. soil pH and moisture meter with short en long probe.

## General:

The acidity (pH) of the soil is important for the well-being of your plants. When the soil is too basic or too acidic, you should adjust the acidity of the soil for optimal result. With this meter you can quickly and easily measure the acidity of the soil. The measuring range is pH 3.0 to pH 8.0 in steps of 0.2. The moisture content of the soil is displayed from 1 - 8 (10% - 80%). Make sure you measure between 5 and 50 degrees Celsius. The meter is suitable for all soil types and applications (greenhouse, border, potting soil, lawn, vegetable garden etc..). You can easily find the ideal pH value on the internet for specific plants.

## Instructions:

1. **The soil must be really wet for reliable (pH) measurement results.** Measure preferably 30 min. after a heavy rain shower or 30 min. after you have given plenty of water. **If you're going to measure pH, you need to measure first the moisture content of the soil by pressing the button.** The moisture meter must indicate at least 6 (preferably 7 or 8) before you can measure the pH reliably.
2. Make sure the metal tip and rings are always clean and avoid fingerprints on the metal. Clean the metal rings and tip with a dry cloth every time you measure and if the metal is oxidized remove the oxidation gently with a scouring pad or abrasive (kitchen) sponge.
3. First remove all obstacles in and on the ground such as twigs, leaves, stones, etc.
4. Push the metal part of the meter completely into the ground until the plastic housing and press the soil around the metal part firmly against the probe in order to avoid any space between the metal probe and the soil around it. Wait until the pointer stops moving before reading the value. This normally takes a few minutes and in some cases can take 10 minutes.
5. Make several measurements close to each other to get a good impression of the average pH and soil moisture of the spot.
6. Press the button to measure the moisture content of the soil.
7. Store the meter clean and dry after use.

## Warnings:

1. Do not leave the meter in the ground too long (max. 1 hour).
2. Never use the meter near other metal or magnetic objects.
3. **Never use the meter to measure in liquids.**
4. Make sure the metal part of the meter is always clean, dry, and free of grease or oxidation.