

# Plant Sap pH Meter

**Bruce Tanio's discovery that plant sap pH is a reliable guideline to plant health is a genuine breakthrough in Nutrition Farming®.**

The Plant Sap pH Meter is a Japanese manufactured specialist pH meter featuring flat sensor technology which allows measurement of a very small volume of liquid. This makes it ideal for plant sap measurements. The meter can also be used to measure the pH of soil and fertiliser solutions as well as for general water quality testing.

## **BENEFITS**

- Range pH 2 – pH 12.
- Waterproof.
- Multiple sampling methods available depending on sample state and volume.
- Automatic temperature compensation.
- Resolution 0.1 pH unit.
- Auto hold and auto power off.

## **PACKAGING:**

250 g  
Product Code:  
METPHHOR



**MONITORING  
METERS AND  
EQUIPMENT**



# Plant Sap pH Meter

## OPERATING GUIDE

Perform a 2 point calibration as per the instruction manual. Recalibrate before each use (once only if performing several measurements).

## SAP TESTING PROCEDURE

Apply a few drops of freshly extracted sap solution to the electrode chamber ensuring that both electrodes are covered with solution. Wait for a stable reading.

## SOIL TESTING PROCEDURE

Wearing gloves to avoid contamination take samples from 15 – 20 sites within the test area. Sample to a depth of 15 cm. Remove any plant matter from the top of the sample. Combine samples in a clean container and mix thoroughly.

Take a small subsample of the mixed soil and mix one part soil with five parts deionised water. Shake thoroughly for 5 seconds. Allow the contents to sit for 30 minutes. Swirl the solution then transfer a few drops to the electrode chamber using a pipette. The same soil solution can be used for testing conductivity.

The optimum soil pH for most crops is 6.2 – 6.7.

## IMPORTANT

- When not in use keep the unit free from dust inside the storage case with the plastic cap in place.
- **Warning:** The electrode chamber has a thin glass backing – take care while using and cleaning to avoid damage.

## PACK INCLUDES

- Meter
- Sensor
- Storage case
- Batteries
- Calibration solutions (4 & 7)
- Pipette
- Sampling sheets
- Full instruction manual

## ACCESSORIES AVAILABLE:

- **Replacement Electrode**  
Product Code: METERPH

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