

Plant Sap Potassium Meter



MONITORING
METERS AND
EQUIPMENT

Potassium management is critical in the pursuit of high-production fertility. Early growth, stem strength, fruit/seed size and plant sugar production are all governed by this mineral. In-field potassium monitoring can be very productive.

Potassium is utilised during fruit and seed filling and is critical to maximising crop yields. However, potassium is often overused in contemporary horticulture and excesses can tie up magnesium and boron. Monitoring sap potassium levels throughout the crop cycle can assist in balancing and optimising potassium application. The Plant Sap Potassium Meter is a Japanese manufactured specialist ion meter featuring flat sensor technology, which allows measurement of a very small volume of liquid. This makes it ideal for plant sap measurements.

BENEFITS

- Measurement range 39 – 3900 ppm.
- Display range 0 – 9900 ppm.
- Waterproof.
- 3 sampling methods available depending on sample volume.
- Automatic temperature compensation.
- Auto hold and auto power off.
- Replacement sensor available.
- **Note:** Published crop specific data is limited as this is a relatively new research area. Contact NTS for the **NTS Sap Testing Procedure** for currently available ideal levels. Comparing data in your crop from season to season while noting yields and insect pressure, as well as making comparisons on sap nutrient status between healthy and suboptimal crops/plants, and comparing young and old leaves, can provide valuable information for fine tuning fertiliser inputs and correcting imbalances.

PACKAGING:

350 g
Product Code:
METK



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OPERATING GUIDE

Perform a 2 point calibration following the instructions in 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.
- Alternatively apply sap to the paper sampling sheet, ensuring the sheet covers both electrodes.

IMPORTANT

- When not in use keep the unit free from dust inside the storage pouch 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 (150 ppm and 2000 ppm)
- Pipette
- Sampling sheets x 5
- Full instruction manual

ACCESSORIES AVAILABLE:

- **Replacement Sensor**
Product Code: METERK
- **Potassium Standard Solution Set**
Product Code: METPOTSOL

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