

# Plant Sap Sodium Meter

**Excessive sodium in the plant can be a response to water supply problems or fertiliser imbalance. Pro-activity is only possible with a sound monitoring program.**

The Plant Sap Sodium Meter accurately measures the amount of sodium in the plant at any stage of the crop cycle. The increasing salinity of many irrigation sources and the buildup of sodium through the use of high-sodium chemical fertilisers can sometimes create plant health problems. The sodium meter can identify any potential problems at the onset. If sodium base saturation percentages exceed potassium base saturation in the soil, the plant will begin to take up sodium instead of potassium. The Plant Sap Sodium Meter, used in conjunction with the Plant Sap Potassium Meter, allows early diagnosis of these problems to facilitate rapid correction. The Plant Sap Sodium 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 23 – 2300 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. However, 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:  
METNA



**MONITORING  
METERS AND  
EQUIPMENT**



# Plant Sap Sodium Meter

## 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:

- **Sodium Standard Solution Set**  
Product Code: METNASOL

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