NPK Nutrient Meter Kit





The NPK Meter allows growers to measure Nitrate, Phosphate and Potassium (NPK) in minutes with one probe and just 50ml of sample solution.

This accurate, instant test means it is simple to operate and avoids the need to send samples to the test laboratory with all of the cost and delay that causes so much frustration.

The meter is calibrated with one or two Multi-Cal Standard Solutions and displays all three parameter results in ppm on the screen. This result can be stored in the internal memory and downloaded to Excel for storage and manipulation.

Features include:

- Direct Readout of NPK ppm in Minutes
- Very low cost per test
- Easy to use
- One single probe with replaceable low-cost sensors
- Maintenance free dry storage probe
- Rugged Kit contains everything needed for the test*
- Portable Kit can be used anywhere
- Can be used directly on diluted Nutrient Feed
- Made in the UK

The NPK meter kit can also be used for monitoring Run-off from Coir bags in Polytunnels, River Water and other environmental applications.

The Measurement

To measure the NPK in soils there is a sample preparation step to get an aqueous sample. The NPK can be directly determined to establish soil health and calculate the Fertilizer Kg/Hectare requirement.







The Kit comprises NPK Meter, NPK Sonde, 100ml Beaker, 50ml Measuring Cylinder, Stirrer, Reagent A (100ml), Reagent B (100ml), 5ml Reagent A Syringe, 5ml Reagent B Syringe, RB400 Boot/Stand, E8402 Large Carry case, MultiCal Standard 1 (500ml) & MultiCal Standard 2 (500ml).

** MultiCal Standards (500ml) are required for weekly calibration (typically 50ml per calibration)*

Get a result in minutes:

Many growers send their samples to a Test Laboratory at considerable cost and then wait days for a result. With the NPK Meter you get a direct result in minutes at very little cost.

Just add 50ml of your sample using the measuring cylinder provided into the plastic beaker. Insert the NPK Sonde into the sample and press READ. The Nitrate and Potassium results are displayed before the addition of 5ml of Reagent A and B. The Phosphate result is then displayed alongside N and K.

For soil analysis NP&K are extracted from the sample and the procedure above will give a direct reading from which e.g. a Kg/Hectare figure can be calculated.

Replacement Solid State sensors:

The NPK sonde has 4 replaceable solid state, low-cost sensors that can be replaced individually. These are maintenance free electrodes that can be stored dry with a indefinite storage lifetime. The expected sensor lifetime is around 2-4 years depending on the frequency of use and the type of application.







Each sensor is colour coded to ensure correct location and the sonde is connected to the NPK Meter via a 1 metre cable and mini-DIN connector.

Catalogue Numbers and Prices

Data Storage

The NPK data can be stored in the internal memory (10,000 data points) and subsequently dumped into Excel via the Micro USB connector.

NPK Catalogue numbers and prices:

QNPK-KIT	Complete kit with Carry Case	£1695.00
Components		
QPNPK	NPK Nutrient Meter	£600.00
NPKR	Sonde with 1 metre cable	£ 995.00
NPKR-SUB	Sub Assembly for NPK Sonde	£235.00
2021-NPK	Replacement Nitrate Sensor. Green	£ 195.00
2031-NPK	Replacement Potassium Sensor. Red	£195.00
2292-NPK	Replacement Phosphate Sensor. Black	£195.00
E8198-NPK	Replacement Reference electrode	£175.00
NPKA/100	Phosphate Reagent A 100ml	£15.00
NPKB/100	Phosphate Reagent B 100ml	£15.00
MULTI 1	Multical NPK Standard 1 500ml	£ 35.00
MULTI 2	Multical NPK Standard 2 500ml	£ 35.00
E8402	Large Carry Case	£ 63.00

Featured Products



NPK Sonde Complete with Sensors - NPKR



NPK Meter - QPNPK



Multical NPK Standard 1 (500ml)