

## Soil Nutrient Tester

### Application:

It is used to detect available nitrogen, available phosphorus, available potassium, organic matter, soil pH and soil salinity in soil, plant, chemical fertilizer.

### Features:

- \* LCD display.
- \* Print testing date, sample number, sample items, sample contents, variety.
- \* Large capacity storage (time, place, fertilizers), datum can be checked at any time.
- \* Quickly test the N, P, K, organic matter, salinity, and pH in the soil, fertilizer and plants.
- \* With the function of time display, can automatically record and save the time of tested sample.
- \* Can set crop variety, crop yield, fertilizer variety, and automatically count the fertilizing amount.



### Technical Parameters:

Model	BK-Y6A	BK-Y6PC	BK-Y7PC
Soil Nutrient	Stability	Absorbency of light drift < 0.003	
	Repeatability	Absorbency of light < 0.005	
	Linearity Errors	Red light for Copper sulfate, and blue light for potassium dichromate < 3.0%	
	Sensitivity	Red light $\geq 4.5 \times 10^{-3}$ ; Blue light $\geq 3.17 \times 10^{-3}$	
	Wavelength Range	Red light 620 $\pm$ 5nm; Blue light 440 $\pm$ 5nm	
Anti-Knocking Performance	Qualified		
PH	Testing Range	1~14	
	Error	$\pm 0.1$	
Salinity	Testing Range	0.01%~1.00%	
	Error	$\pm 5\%$	
Function	Test N, P, K, organic matter, soil pH, soil salinity, with storage function, built-in the amount of nutrients needed for growth of 73 kinds of crops, can provide guidance for fertilizing amount according to needs, with printing function	On the basis of BK-Y6A, with a software, be able to connect to computer for data storage, tele-transmission and printing	On the basis of BK-Y6PC, but can measure soil moisture
Power Supply	220V, 50Hz		
Package Size(W*D*H)	670*385*215mm		
Gross Weight	9kg		

## Portable Leaf Area Meter

### Application:

Portable leaf area meter is mainly used for determination plant leaf, is a portable instrument can work in the field. The leaf area and related parameters of the leaves can be measured accurately, quickly and without damage, the area of the plant leaves and other flakes can also be measured. Widely used in agriculture, meteorology, forestry and other departments.



### Technical Parameters:

Model	LAM-A/B
Unit	Millimeter, Square Centimeter
Precision	$\pm 2\%$
Length Resolution	1mm
Width Resolution	0.1mm
Measuring Length	$\leq 2000$ mm
Measuring Width	$\leq 213$ mm
Thickness	$\leq 3$ mm
Data Capacity	5000 groups
Package Size(W*D*H)	390*230*220mm
Gross Weight	1.8kg

### Features:

- \* Easy to operate. With Micro-computer technology, LCD display.
- \* Test many kinds of data, such as leaf area, average area, length of leaf, width of leaf, perimeter and ratio of length and width.
- \* RS-232 link with computer by software, you can put the data into computer, and convert data to excel format and print. (only for LAM-B)

## Portable Chlorophyll Meter

### Application:

Chlorophyll meter is able to measure chlorophyll content of plants and leaf temperature. Chlorophyll content and leaf nitrogen content have a very close relationship. Thus, chlorophyll content can reflect plants demand for nitro. Using the instrument can put nitrogen fertilizer reasonably, improve utilization of nitrogen and protect environment.

### Features:

- \* Enter the name of the plant, the standard nitrogen content and utilization, the standard fertilizer can be directly calculated.
- \* Chlorophyll, leaf temperature are displayed on same screen at the same time, and can be stored at the same time.
- \* USB interface can be connected to the computer to export the measured data, to facilitate the management and analysis of plant nutrients. (Only for CM-B)

### Technical Parameters:

Model	CM-A/B
Measuring Area	2mm*2mm
Measuring Mode	2-wavelength concentration difference of optical methods
Sensors	Silicon semiconductor photodiode
Display Mode	Measuring value: 3 digits liquid crystal display; Measuring times: 2 digits liquid crystal display
Min Measuring Interval	< 3s
Measuring Range	0.0-99.9 SPAD; -10~99.9°C
Accuracy	$\pm 3.0$ SPAD; $\pm 0.5^\circ\text{C}$
Repeat	$\pm 0.3$ SPAD; $\pm 0.2^\circ\text{C}$
Power Supply	4.2V -2000Mah rechargeable Li battery
Memory Capacity	30Kb, automatically calculate and show the average.
Package Size(W*D*H)	270*210*140mm
Gross Weight	1.0kg

