

PLANT PHYSIOLOGY INSTRUMENT

Chlorophyll Meter

Model: TYS-A

● Product description

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 do go to put nitrogen fertilizer reasonably, improve utilization of nitrogen and protect environment.

● Technical Parameters

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: ± 1.0 SPAD; $\pm 0.5^\circ\text{C}$ Repeat: ± 0.3 SPAD, $\pm 0.2^\circ\text{C}$

Operating temperature: -10-50°C

Power: 4.2V -2000Mah rechargeable Li battery.

Memory capacity: 30 KB, automatically calculate and show the average.

Weight: 200 grams



Portable Plant Nutrition Analyzer

Model: TYS-3N /4N

● Characteristics

- ▲ Be able to save chlorophyll, nitrogen, leaf temperature, and leaf Humidity (4N) at the same time, easy to draw graph of plant nutrient, leaf temperature etc. Provide for plant precision irrigation and fertilization
- ▲ Nondestructive test plant quickly, not to effect plant growth.
- ▲ Manual measurement pattern.
- ▲ View past stored data, show three parameters at the same time.
- ▲ The computer can transfer wired or wireless data so as to manage and analysis.
- ▲ Easy to store data, directly show stored data. Show low power consumption.

● Testing range:

Chlorophyll range: 0.0-99.9SPAD

Nitrogen range: 0.0-99.9mg/g

Leaf humidity: 0.0-99.9RH%

Leaf temperature:-10-99.9°C

Testing area: 2mm*2mm

Testing interval: less than 3sec

● Testing accuracy:

Chlorophyll accuracy: ± 1 SPAD

Nitrogen accuracy: $\pm 5\%$

Leaf humidity accuracy: $\pm 0.5\%$

Leaf temperature accuracy: $\pm 0.5^\circ\text{C}$

Stored data capacity: 32KB

Power supply: 4.2V 2000mah Recharge Li-ion battery