

## Product Name: Plant Nutrition Analyzer

Model: TYS-3N/ 4N



### Product description

Plant nutrient analyzer saves three parameters (chlorophyll, nitrogen content and leaf temperature) at the same time. Plant chlorophyll, nitrogen content and leaf temperature are important nutrition and .They're important basis for plant fertilization and irrigation. Use near infrared spectroscopy, test leaf chlorophyll, nitrogen and leaf temperature by near-infrared spectrum nondestructive testing. Can nondestructive test three plant nutrition and growth physiology information.

### Characteristics

1. Be able to save chlorophyll, nitrogen and leaf temperature at the same time, easy to draw graph of plant nutrient, leaf temperature etc. Provide for plant precision irrigation and fertilization.
2. Nondestructive test plant quickly, not to effect plant growth.
3. Rapid determination: Test plant chlorophyll, nitrogen and leaf temperature at the same time.
4. Manual measurement pattern.
5. View past stored data, show three parameters at the same time.
6. The computer can transfer wired or wireless data so as to manage and analysis.
7. Easy to store data, directly show stored data. Show low power consumption.

### Technical parameters

Testing objects: nitrogen, chlorophyll, leaf temperature, and leaf humidity(-4N).

#### 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 accuracy:

Chlorophyll accuracy:  $\pm 1$ SPAD

Nitrogen accuracy:  $\pm 5\%$

Leaf humidity accuracy:  $\pm 0.5\%$

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

Testing area: 2mm\*2mm

Testing interval: less than 3sec

Stored data capacity: 999 groups

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