



Soil Nutrient Tester

TSNA-A1 Series

Soil nutrient tester TSNA-A10

Soil nutrient tester TSNA-A10 with microprocessor controlled technology measures nutrient values in % and gives accurate test results. Its LCD touch display shows all test parameters, test results, which can be printed out using built-in printer. The optical filter present in the nutrient analyzer acts as light source, its silicon semiconductor acts as signal receiver system with 100000 hours of work life.

Features

- ◀◀ LCD display touch control
- ◀◀ Microprocessor controlled technology
- ◀◀ Built-in thermal printer
- ◀◀ Automatic temperature calibration system for organic phosphorous testing
- ◀◀ Excellent shock resistant
- ◀◀ Digital circuit programmed design

Soil nutrient tester TSNA-A11

Soil nutrient tester TSNA-A11 with microprocessor controlled technology measures nutrient values in % and gives accurate test results. The optical filter present in the nutrient analyzer acts as light source. It has attractive and durable, long lasting plate shell, large LCD display to easily view and study test parameters. With time display function, it can automatically record and save the time of sample tested.

Features

- ◀◀ Large LCD display
- ◀◀ Playback function for convenient testing
- ◀◀ Built-in rechargeable battery
- ◀◀ Built-in thermal printer
- ◀◀ 1000 groups of data storage
- ◀◀ Microprocessor controlled technology

Applications

It finds best application in quantitative analysis of to N, P, K, organic matter, pH, trace elements, salinity of soil, fertilizer and other samples.

Specifications

| Model no. | TSNA-A10 | TSNA-A11 |
|-------------------------------------|---|--|
| Measuring range | 0.001 to 9999 | |
| Stability | A (absorbency of light) <0.003 within 3 mins | |
| Linearity error | <3.0 % | |
| Repeatability error | A (absorbency of light) < 0.005 | |
| Sensitivity | Red light: 680 ± 2 nm, Blue light: 420 ± 2 nm, Green light: 510 ± 2 nm, Orange light: 590 ± 2 nm | Red light: 680 ± 2 nm, Blue light: 420 ± 2 nm, Green light: 510 ± 2 nm |
| Moisture measure range | Red light: ≥ 4.5×10 ⁻⁵ , Blue light: ≥ 3.17×10 ⁻³ , Green light: ≥ 2.35×10 ⁻³ , Orange light: ≥ 2.13×10 ⁻³ | Red light: ≥ 4.5×10 ⁻⁵ , Blue light: ≥ 3.17×10 ⁻³ |
| Measurement time (for soil N, P, K) | ≤30 min 5 pcs soil samples at one time ≤50 min (including pretreatment time) | |
| pH mode: | | |
| pH Measurement range | 1 to 14 pH | |
| pH Accuracy | ± 0.1 | |
| Conductivity mode: | | |
| Conductivity Measurement range | 0.01 % to 1.00 % | - |
| Conductivity Accuracy | ± 5 % | - |
| Salinity mode: | | |
| Salinity range | - | 0.01 % to 1.00 % |
| Salinity accuracy | - | ± 5 % |
| Soil moisture mode: | | |
| Moisture content rate testing range | 0 to 100 % | |

Specifications

| Soil moisture mode: | | |
|-------------------------------------|-------------------------------------|-------|
| Moisture content rate testing range | 0 to 100 % | |
| Moisture unit | % (m ³ /m ³) | |
| Accuracy | ± 2 % | |
| Gross Weight | 15 kg | 18 kg |
| Dimension | 340×280×100 mm | |
| Power supply | AC 180 to 240 V, 50 Hz | |

Standard Accessories

Set of N, P, K reagent & pH probe

Optional Accessories

Reagent as per requirement/need