Soil nutrient tester LD-TSNA-A10

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Overview

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

Applications:

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

Specifications:

pH mode	pH Measurement range=1 to 14 pH,pH Accuracy=± 0.1
Dimension	340 × 280 × 100 mm
Stability	A (absorbency of light) <0.003 within 3 mins
Sensitivity	Red light: ? 4.5 × 10-5 , Blue light: ? 3.17 × 10-3 , Green light: ? 2.35 × 10-3 , Orange light: ? 2.13 × 10-3
Gross Weight	15 kg
Power supply	AC 180 to 240 V, 50 Hz
Linearity error	<3.0 %
Measuring range	0.001 to 9999
Wavelength range	Red light: 680 ± 2 nm, Blue light: 420 ± 2 nm, Green light: 510 ± 2 nm, Orange light: 590 ± 2 nm
Conductivity mode	Conductivity Measurement range=0.01 % to 1.00 % , Conductivity Accuracy = ± 5 %

Soil moisture mode	Moisture content rate testing range=0 to 100 %,Moisture unit=% (m3/m3),Accuracy=± 2 %
Repeatability error	A (absorbency of light) <0.005
Moisture measure range	A: humidity 0 to 100 %, B: Accuracy: ±3 %
Measurement time (for soil N, P, K)	?30 min, 5 pcs soil samples at one time ?50 min (including pretreatment time)