

Soil Nutrient Tester TPY series

Characteristics

1. Quickly test the N, P, K, organic matter, salinity, and pH in soil
2. With the function of time display, can automatically record and save the time of tested sample.
3. Large capacity storage (time, place, fertilizers), datum can be checked at any time
4. Print testing date, sample number, sample items, sample contents, variety and so on
5. Big-screen LCD shows, and will guide you how to operate.
6. Can set crop variety, crop yield, fertilizer variety, and automatically count the fertilizing amount.
7. The reagent included: low requirement to the storage condition, last longer, and low test cost



Specification

Category	Parameter	Specification
1. Soil Nutrient		
Stability	Absorbency drift	< 0.003
Repeatability	Absorbency variation	< 0.005
Linearity error	Red light (Copper sulfate)	< 3.0%
	Blue light (Potassium bichromate)	< 3.0%
Sensitivity	Red light	$\geq 4.5 \times 10^{-5}$
	Blue light	$\geq 3.17 \times 10^{-3}$
Wavelength range	Red light	$620 \pm 5 \text{ nm}$
	Blue light	$440 \pm 5 \text{ nm}$
Anti-shock performance	Compliance	Qualified
2. pH Measurement		
Measuring range	pH	1 – 14
Error	±	0.1
3. Salinity Measurement		
Measuring range	Salinity	0.01% – 1.00%
Error	±	5%

Category	Parameter	Specification
4. Soil Moisture (TPY-7PC)		
Unit	% (m ³ /m ³)	0 – 100%
Accuracy	±	2%
5. Instrument Specifications		
Display	LCD screen	
Interface	USB	
Operating environment	Temperature / Humidity	0 – 40°C / 35 – 85% RH
Power supply	AC input	220V – 240V, 50Hz (Adapter: 12V/3A)
Dimensions (L × W × H)		32 × 28 × 11 cm

Model

Model	Function
TPY-IV	1. Test N, P, K, Organic Matter; 2. with storage function; 3. built-in the amount of nutrients needed for growth of 73 kinds of crops, can provide guidance for fertilizing amount according to needs; 4. Without printing function
TPY-6A	1. Test N,P,K, organic matter, soil pH, soil salinity; 2. with storage function; 3. built-in the amount of nutrients needed for growth of 73 kinds of crops, can provide guidance for fertilizing amount according to needs; 4. with printing function
TPY-6PC	Based on TPY-6A, with a software, be able to connect to computer for data storage
TPY-7PC	On the basis of TPY-6PC, but add one more parameter: soil moisture.

Related Products

Soil Moisture Meter/Soil Salt Meter/Soil Tensiometer/Soil Compaction Meter/Soil Hardness Tester etc.