



TPY-7PC

SOIL NUTRIENT TESTER

Introduction

Test N,P,K, organic matter, soil pH, soil salinity, Soil moisture.Built-in the amount of nutrients needed for growth of 73 kinds of crops, can provide guidance for fertilizing amount according to needs.With a software, be able to connect to computer for data storage.

Features

- With the function of time display, can automatically record and save the time of tested sample.
- Large capacity storage (time, place, fertilizers), datum can be checked at any time.
- Print testing date, sample number, sample items, sample contents, variety and so on.
- Big-screen LCD shows, and will guide you how to operate.
- Can set crop variety, crop yield, fertilizer variety, and automatically count the fertilizing amount.
- The reagent included: low requirement to the storage condition, last longer, and low test cost.

Technical Parameter

Soil Nutrient	
Stability	Absorbency of light drift < 0.003
Repeatability	Absorbency of light < 0.005
Linearity errors	Red light for Copper sulfate, and blue light forpotassium 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-Knocking performance	Qualified

pH

Testing range	0-14PH
Error	± 0.1

Salinity

Testing range	0.01-1.00%
Error	$\pm 5\%$

Soil moisture

Moisture unit	% (m^3/m^3)
Accuracy	$\leq 2\%$
Moisture content rate testing range	0-100%

Instrument

Display mode	LCD display
Interface	USB
Working environment	0~40 °C 35~85%RH
Alternating current (AC)	220V-240V, 50Hz, adapter: 12V/3A
Size	32*28*11cm