

Soil sensor

Model ES-S2252



Main features

- Real-time monitoring of soil composition
- Detection of multiple organic components in soil
- Use battery power supply, LCD digital display
- Using highly sensitive probe, fast response, stable, reliable and accurate measurement
- Large-screen LCD digital display, clear reading
- Low zero drift and good repeatability
- Plug and play, convenient and fast measurement

Compliance

The electromagnetic compatibility in accordance with the following applicable directives:
 EMC 2014/30/EU
 Electromagnetic Compatibility
 EMC 2014/35/EU
 Electromagnetic Compatibility

Introduction

ES-S2252 soil rapid tester is a sensor developed by our company to quickly detect soil components. The sensor shape adopts a hand-held design, which is convenient for users to carry. The probe adopts a four-pin probe design and is made of stainless steel. It has good corrosion resistance and strong toughness.

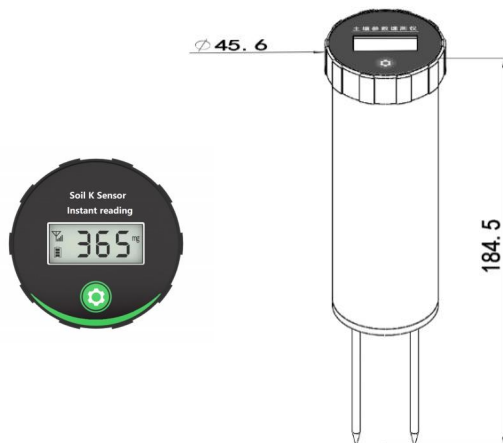
The sensor can accurately detect and display a variety of components in the soil in real time, such as: soil temperature and humidity, soil conductivity, and soil nitrogen, phosphorus, and potassium components; soil composition indicators play a very important role in the growth of crops, using our research and development The detector can accurately detect various components in the soil, and improve the soil through the detected data to achieve the purpose of monitoring the supply of plant nutrients, so that the crops are in the best living environment, thereby increasing the yield.

Application

The sensor is widely used in farmland production, soil research, greenhouse planting, orchard nursery, horticultural planting, tree planting, potted planting and other fields.

Dimension

Unit:mm



Specification

PARAMETERS	Soil moisture	Soil temperature	Soil EC	Soil PH	Soil NPK
Range	0~100%	-40~80°C	0-10000us/cm	3~9PH	0~1999mg/kg (mg/L)
Accuracy	2% within 0-50%, 3% within 50-100%	±0.5°C (25°C)	±3% (brown earth, 60%RH, 25°C)	±0.3PH (brown earth, 60%RH, 25°C)	±2%FS
Resolution	0.1%	0.1°C	1us/cm	0.1PH	1mg/kg (mg/L)
Response time	≤1s	≤1s	≤1s	≤10s	≤1s
Power supply	DC 3.7V lithium battery (standard battery 4000Mah used for more than 3 years), three alkaline zinc manganese batteries (used 20 times a day, can be used continuously for 1.3 years)				
Battery life	Standard battery 4000Mah (> 3 years)				
Working temperature	-20°C~+60°C				
Protection	Lithium battery power supply: IP68 Alkaline zinc manganese battery power supply: IP54				

Order guide

ES-S2252	Soil sensor	
	CODE	Function type
	A	Soil humidity
	B	Soil temperature
	C	Soil conductivity (EC)
	D	Soil PH
	E	Soil nitrogen (N)
	F	Soil phosphorus (P)
	G	Soil potassium (K)
ES-S2252	ABCD	Order example