

Portable soil analyzer

Model ES-S2260



Introduction

ES-S2260 portable soil analyzer adopts the latest digital integrated circuit technology and international detection technology to design a new intelligent handheld detector.

The detector adopts a large-scale full-color liquid crystal display, which can display the reading in real time. At the same time, it uses the detection circuit designed by the digital chip of international large factories, which can achieve very high sensitivity and excellent repeatability. The shell is made of high-strength composite plastic for industrial use, which has a good sense of strength.

Main features

- Large screen display and large capacity storage
- Multi-function buttons, single-point recording, start/stop recording
- Multi-measurement data collection, real-time query, recording and display
- Optional data storage function, supports 4MB data storage function, can export data to computer through Excel, and has printing, editing, icon display and other functions.
- Support measuring soil moisture, temperature, conductivity, PH, Nitrogen, Phosphorus and Potassium
- Build-in chargeable battery, long time standby time

Application

The portable soil analyzer is widely used in petrochemical, environmental protection, metallurgy, mining, agriculture, experiment, mapping and other industries.

Dimension



*The number of needles may vary depending on the measurement parameters

Specification

PARAMETERS	Soil Moisture	Soil Temperature	Soil EC	Soil PH	Soil NPK
Range	0%-100%	-40°C~+80°C	0-20000us/cm	3~9PH	0~1999mg/kg
Accuracy	±2% within 0-50%, ±3% within 50-100% (Brown soil, 60%, 25°C)	±0.5°C (25°C)	±3% (0-10000us/cm); ±5% (10000-20000us/cm) (brown soil, 60%RH, 25°C)	±0.3PH (Brown soil, 60%RH, 25°C)	±2%F.S
Resolution	0.1%	0.1°C	1us/cm	0.1	1mg/kg(mg/l)
Power supply	12V DC, 2500mA.h (standard configuration)				
Display method	2.8 "LCD display				
Communication mode	USB (read, see DB9 interface description for details)				
Data storage	4MB storage (standard)				
Working temperature	- 20 °C ~ 50 °C				
Working humidity	0 ~ 90% (relative humidity), no condensation				
Communication protocol	Modbus serial communication protocol				
Charging time	≤4H				
Connectable device	1 ~ 8 MODBUS devices				
Size	125 * 65 * 45mm				
Weight	500g				

Order guide

ES-S2260	Portable 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-S2260	ABC	Order example