Soil N.P.K. Sensor

Product model: SEN101-2006E

SEN101-2006E soil nitrogen, phosphorus and potassium sensor is suitable for detecting the content of nitrogen, phosphorus and potassium in the soil. It can judge the fertility of the soil by detecting the content of nitrogen, phosphorus and potassium in the soil, which is convenient for customers to systematically evaluate the soil condition.

Features

- ☑ The sensor is compact in size, easy to carry, easy to install, operate and maintain
- ☑ Good sealing, can be directly buried in the soil, and will not be corroded
- ☑ The soil quality has little influence and is widely used in a wide range of areas.
- ☑ High measurement accuracy and reliable performance to ensure normal work
- ☑ Fast response, good interchangeability, and high data transmission efficiency



Scope of application

◇ It is suitable for water-saving agricultural irrigation, greenhouses, flowers and vegetables, grassland and pastures, soil rapid testing, plant cultivation, scientific experiments and other fields.

Technical Parameters

Measurement parameters	Soil Nitrogen, Phosphorus, Potassium	Units of measurement	mg/kg (mg/L)
Measurement range	0～1999mg/kg (mg/L)	Measurement accuracy	±3% (mg/kg)
Resolution	1mg/kg (mg/L)	Supply voltage	5～24V DC
The scope of work	0℃～50℃	Stable schedule	1 second after power on
Response time	<10 seconds	Probe length	55mm，ϕ3mm
Sealing material	ABS engineering plastic, epoxy resin, waterproof grade IP68	Probe material	316L stainless steel
Cable Specifications	Standard 2 meters (other cable lengths can be customized, up to 1200 meters)		
Output signal	RS485 (standard Modbus-RTU protocol, device default address: 01)		

Product dimensions

