Soil Conductivity Sensor

Product number:SEN101-2006C

SEN101-2006C The soil conductivity sensor uses a graphite electrode to convert the analog or digital signal of the soil conductivity through a transmitter. After the conductivity sensor is buried in the soil, the conductivity of the soluble salt ions in the soil solution is directly measured. Graphite electrodes have the characteristics of stable performance and high sensitivity, and have a wide range of applications, especially for high conductivity, so they are very suitable for the determination of soil conductivity.



Features

- ☑ Small size design, high measurement accuracy, fast response speed and good interchangeability
- ☑ Good sealing, can be directly buried in the soil and used without corrosion
- ☑ High measurement accuracy, reliable performance, fast response speed and high data transmission efficiency
- ☑ Less affected by soil quality, wide application range

Scope of application

- ◇ Water-saving agricultural irrigation, weather monitoring
- ◇ Greenhouses, flowers and vegetables, grass pastures, soil testing
- ◇ Fields that need to measure soil moisture such as plant cultivation and scientific experiments

Technical Parameters

Measurement parameters	Soil conductivity (EC value)	Units of measurement	mS/cm or μS/cm
Temperature range	0~10 mS/cm	Measurement accuracy	±3%
Resolution	10μS/cm	Supply voltage	12~24V DC
Output signal	Rs485/4-20mA/0-5VDC/0-10VDC		
The scope of work	−40°C~80°C	Conductivity electrode material	Graphite
Stable schedule	1 second after power on	Response time	<1 second
Sealing material	ABS engineering plastic, epoxy resin		

Product appearance and wiring method



