

Soil Temperature and Humidity Conductivity Sensor ST-2006A



Product Features:

Real-time temperature, humidity and salinity monitoring function, which can measure the temperature, temperature and salt content of soil at different depths; good airtightness, can be directly buried in the soil for use without corrosion; high measurement accuracy, reliable performance, fast response speed, and data transmission efficient.

Applications:

Water-saving agricultural irrigation, weather monitoring, greenhouses, flowers and vegetables, grassland pastures, soil testing, plant cultivation, scientific experiments and other fields that require soil moisture measurement.

Product description

ST-2006A soil temperature and humidity + conductivity sensor is suitable for water-saving agricultural irrigation, weather monitoring, environmental monitoring, greenhouses, flowers and vegetables, grassland and pastures, soil speed measurement, plant cultivation, scientific experiments, etc. soil temperature, humidity and salinity.

Features

Real-time temperature, humidity and salinity monitoring function, which can measure the temperature and salt content of soil at different depths

Good sealing, can be directly buried in soil, and is not corroded

High measurement accuracy, reliable performance, fast response speed, and high data transmission Efficiency

Less affected by quality, wide range of applications

Scope of application

Water-saving agricultural irrigation, weather monitoring

Greenhouses, flowers and vegetables, grass pastures, soil testing

Fields that require soil moisture measurement, such as plant cultivation and scientific experiments

Technical Parameters

Measurement parameters	Soil temperature, soil volume water content, soil conductivity (EC value)
Temperature range	-30~85℃
Water content range	0~100%
Salt range	0~20mS/cm

Measurement accuracy	Temperature: $\pm 0.5^{\circ}\text{C}$; Humidity: $\pm 3\%$ (0~50%), $\pm 5\%$ (51~100); Conductivity: $\pm 3\%$
Resolution	Temperature: $\pm 0.1^{\circ}\text{C}$; Humidity: $\pm 0.1\%$ (0~50%), $\pm 1\%$ (51~100); Conductivity: 10us/cm
Output signal	Rs485 (standard Modbus-RTU protocol, device default address: 01)
Supply voltage	12~24VDC
Scope of work	$-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$
Stable schedule	3 seconds after power on
Response time	≤ 1 second
Sealing material	ABS engineering plastic, epoxy resin
Probe Length	55mm
Probe diameter	3mm
Electrical connection	Direct lead

External structure

