

Soil Temperature and Humidity + Conductivity Sensor

Product model: FST100-2006A

FST100-2006A soil temperature and humidity + conductivity sensor is suitable for water-saving agricultural irrigation, weather monitoring, environmental monitoring, greenhouses, flowers and vegetables, grass pastures, rapid soil testing, plant cultivation, scientific experiments, etc. that require measurement. Soil temperature, humidity and salinity areas.

◆ Features

- ✓ Real-time temperature, humidity and salt monitoring function can measure the temperature and salt content of soil at different depths
- ✓ It has good sealing performance and can be directly buried in the soil for use without corrosion.
- ✓ High measurement accuracy, reliable performance, fast response speed, and high data transmission efficiency
- ✓ Less affected by geology and has a wide range of applications



◆ Scope of application

- ◇ Water-saving agricultural irrigation, weather monitoring
- ◇ Greenhouses, flowers and vegetables, grass pastures, soil testing
- ◇ Plant cultivation, scientific experiments and other fields that require measurement of soil moisture

◆ Technical parameter

Measurement parameters	Soil temperature, soil volumetric water content, soil electrical conductivity (EC value)		
Temperature range	-40~85°C		
Water content range	0~100%PH		
Salt range	0~5000us/cm		
Measurement accuracy	Temperature: ±0.5°C; Humidity: ±3% (0~50%), ±5% (51~100%); Conductivity: ±2%		
Resolution	Temperature: ±0.1°C; Humidity: ±0.1% (0~50%), ±1% (51~100%); Conductivity: 1us/cm		
Output signal	Rs485 (standard Modbus-RTU protocol, device default address: 01)		
Supply voltage	12~24VDC		
Scope of work	-40°C~80°C	Stable schedule	3 seconds after power on
Response time	≤1second	Sealing material	ABS engineering plastic, epoxy resin
Probe length	55mm	Probe diameter	3mm
Electrical connection	Direct lead		

◆ Product appearance and wiring method

