

Soil Five-in-one Sensor ST-2006D



Product Features:

- Five-in-one sensor
- High data transmission efficiency
- High measurement accuracy
- Excellent sealing, corrosive resistance
- Measure temperature, humidity and salt content at different depths

Applications:

- Greenhouses, Soil testing, Agricultural irrigation, Field soil, Grass pastures, Meteorological monitoring
- Plant cultivation, Flowers and vegetables, Scientific experiments

Technical Parameters

Measurement parameters	Soil temperature, soil volume water content, Soil conductivity (EC value), soil salinity, soil TDS
Temperature range	-30~85°C
Water content range	0~100%
Conductivity range	0~20mS/cm
Supply voltage	12~24VDC
Soil salinity	0~10000mg/kg
Soil TDS	0~10000mg/kg
Electrical connections	Direct lead
Scope of work	-40°C~80°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

Measurement accuracy	Temperature: $\pm 0.5^{\circ}\text{C}$; Humidity: $\pm 3\%$ (0~50%), $\pm 5\%$ (51~100); Conductivity: $\pm 3\%$; Salinity: $\pm 3\%$; TDS: $\pm 3\%$
Resolution	Temperature: $\pm 0.1^{\circ}\text{C}$; Humidity: $\pm 0.1\%$ (0~50%), $\pm 1\%$ (51~100); Conductivity: 10us/cm; Salinity: 5mg/kg; TDS: 5mg/kg
Output signal	Rs485 (standard Modbus-RTU protocol, device default address: 01)

Product appearance and wiring method

