Soil Conductivity Sensor
(TPL-Soil-EC)

Soil conductivity(RS485). Soil EC value is measured by online measurement of current and voltage four electrodes, different soil conductivity characteristics are different, calculate the voltage difference, and then get the soil EC value.

OVERVIEW

- Low power consumption
- MODBUS-RTU general communication protocol
- The measuring probe is sealed with epoxy resin
- Measurement through current and voltage
- Can be widely used in the field of environmental monitoring of Internet of Things, such as agricultural greenhouse, nursery flowers, intelligent breeding, intelligent home, intelligent commercial buildings, intelligent transportation, intelligent industry, and etc.

Product Code	TPE-Soil-EC
Physical Parameters	
Size	140*140*80mm
Smoke Measurement Parameters	
Measurement Principles	Current and Voltage Four Terminal Method
Measurement Range	0.2 ~ 12mS/cm
Resolution Power	0.016mS/cm
Measurement Precision	± 4%
RS 485	
Communication Protocol	MODBUS-RTU
Power	DC 6 ~ 24V
Mechanical and Chemical Parameters	
Sealing	IP65
Withstands Exposure to	Mineral Oil, Petroleum, Salt Mist, Vegetable Oil, 5% caustic soda
Temperature Range	
Storage Temperature	-25 ~ 60 ℃
Operating temperature	-20 ~ 50 ℃