

UbiBot® Wireless Multi-Sensor Device Series

Soil Temp & Moisture Probe



The soil temperature and moisture probe measures soil moisture content based on frequency domain reflection method. It can connect with WS1 Pro and GS1 series. It is widely used in homes, offices, farms and other places where soil temperature and moisture need to be measured.

- **Technical specifications**

Measuring Temperature Range : $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$

Measuring Moisture Range : $0\sim 100\%$

Accuracy : $<\pm 0.4^{\circ}\text{C}$
 $\pm 3\%$ (0-50%) ; $\pm 5\%$ ($>50\%$)

Connector : Micro USB, 3.5mm Audio

Measuring Theory : Frequency Domain (FDR)

Output Interface : RS485

Communications Protocol : Modbus

- **Physical specifications**

Materials : ABS + Stainless steel

Steel Point Length : 80mm

Cable Length : 3 meters

Working Voltage : DC 5-12V

Standby Current : $\leq 20\text{mA}$