



This Soil Moisture sensor is a FDR (frequency domain reflectometry) based sensor that is used to measure Soil volumetric water content (VWC) and temperature. The sensor consists of highly corrosion resistant electrodes. This sensor is designed to be used for portable as well permanent installations placed in the soil.

Specifications of Sensor :

- The signal output type: RS 232 modbus
- Power supply voltage: 5 V/DC
- Response time (moisture and temperature): Less than 1 second
- Soil moisture measurement range: 0-100% volumetric moisture content
- Soil moisture measurement accuracy: 0-53% range is $\pm 3\%$; 53-100% range is $\pm 5\%$
- Soil temperature measuring range: $-40\sim 80^{\circ}\text{C}$
- The measurement precision of soil temperature: $\pm 0.5^{\circ}\text{C}$
- Protection grade: IP68
- Operating environment: $-40\sim 85^{\circ}\text{C}$
- The storage environment: $-40\sim 85^{\circ}\text{C}$
- The material of the probe: Food grade stainless steel
- Sealing material: The black flame retardant epoxy resin
- Installation: All buried or probe into all of the measured medium

Applications:

- Irrigation Scheduling
- Water Table Monitoring
- Leak Detection
- Agronomy Research
- Environmental Monitoring
- Anywhere you need to know when or if the soil moisture status is changing.

Virtual
Hydromet

1105/1, Salempur Rajputana Industrial Estate
Roorkee - 247667, Haridwar, Uttarakhand, INDIA
Tel :+91-7088-772-772, vhydromet@yahoo.com

Represented by:

**** Drawing & specifications are subjected to change at any time without prior notice as per manufacturing suitability.**