



Soil Moisture Monitor Unit

The SOM (Soil Moisture) slave unit integrates with the Dcon Ag AIR system to transmit soil moisture data at three levels-primary, secondary, and tertiary-optimizing irrigation and soil management. This real-time data enables precision agriculture by ensuring efficient water use and quick responses to changing conditions, supporting sustainable farming practices

Features and Benefits

- Multi-Level Soil Moisture Monitoring:** The SOM unit measures soil moisture across primary, secondary, and tertiary levels, providing comprehensive insights into soil water content at different depths crucial for various crops.
- Real-Time Data Transmission:** Enables instant transmission of soil moisture data to the Dcon Ag AIR system, facilitating timely decisions on irrigation scheduling and water management.
- Precision Agriculture:** Supports precision farming by optimizing water usage based on accurate soil moisture readings, leading to improved crop yields and reduced water wastage.
- Sustainable Resource Management:** Promotes sustainable agriculture practices by ensuring efficient use of water resources, enhancing soil health, and minimizing environmental impact.
- User-Friendly Integration:** Seamless integration with the Dcon Ag AIR platform allows for easy installation and operation, empowering farmers with actionable insights for better decision-making and farm management.

Specifications

- Solar panel:** 9V/6W
- Battery:** 37V/ 2.6Ah
- Backup time:** 72 hours
- Communication:** LoRA & Bluetooth 5.0
- Number of Soil Moisture Sensor:** 3 Nos
- Temperature Sensor:** 1 Nos
- Inbuilt GPS**

